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Climate of Priest River Experimental Forest, Northern Idaho

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RESEARCH SUMMARY

This report describes the climate of Priest River Experimental Forest, in the northern Idaho panhandle. Primary year-round data are from the "control station" located at its present site near Forest headquarters since 1916. The analysis includes temperature and precipitation fluctuations or trends. Further details are provided by fire-weather data, summarized for valley and lookout locations. Topographic and local site differences in climate are examined, utilizing data obtained from past studies in the Forest. Climatic characteristics at Priest River are found to apply to much of the Idaho panhandle area.

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Climate of Priest River Experimental Forest, Northern Idaho

Arnold I. Finklin

INTRODUCTION

Established in 1911, the Priest River Experimental Forest, in the northern Idaho panhandle, has long served as a field laboratory for research into timber management, genetic improvement of trees, forest insects and diseases, forest fire hazard and control, watershed management, and wildlife habitat (Wellner 1976). (For brevity, this locale will also be referred to as "Priest River," "the Experimental Forest," or "the Forest.") Throughout this time, weather data have been collected to gain knowledge about the relevant weather and climatic factors. Climate and weather not only affect the trees directly, acting as controls on their growth and the distribution of forest types, but also influence the effects of fire, insects, and diseases. Many of the studies at Priest River up to 1950 are described in detail by Wellner and others (1951). For an extensive listing of publications reporting research results, see Wellner (1976).

Studies on the relationship of weather or climate to fire danger and occurrence include those by Larsen and Delavan (1922), Gisborne (1925, 1931), and Hayes (1941). Relationships between climate and forest types or cover are presented by Jemison (1934) and Larsen (1930, 1940). In the field of watershed management, Packer (1962, 1971) and Haupt (1979) have studied the effects of altitude, aspect, and forest cover on snow accumulation and melt. Additional references are mentioned and quoted in the course of this report.

The first comprehensive summary of Priest River climatological data was presented by Jemison (1932a); tables covering 50 years of data were prepared by Doty (1961). The present report updates and expands upon these summaries, for the purpose of providing information of use to forest researchers and managers in the Experimental Forest and adjacent areas; climatic similarity with adjacent northern Idaho is examined. Topographic and local site variations in climate are included. This report does not cover climate-related or derivative factors such as soil temperature, evaporation, fuel moisture, and fire-danger indexes. Measurements of the first two factors have been largely limited to earlier years and are included by Jemison (1932a).

Because our objective is to present climatic information, physical or technical explanations have been largely assigned to references. Where needed, elementary background knowledge of weather and climate may be gained from Schroeder and Buck (1970); Critchfield (1974).

DESCRIPTION OF THE AREA

The Priest River Experimental Forest is located 12 air miles (20 km) north-northeast of the town of Priest River, Idaho, in the Kaniksu National Forest (fig. 1). It covers an area of 6,368 acres (2 758 ha). Latitude is about 48°21' N; longitude, mostly 116°45' to 116°50' W.



Figure 1.—Location of Priest River Ex. EXCHANGE Rec'd perimental Forest (PREF), Idaho, and adjacent stations mentioned in text.

Situated near the southern end of the Selkirk Mountains, on a generally westerly slope, the Experimental Forest has an elevational range from about 2,220 ft to nearly 6,000 ft (675 to 1 825 m). The mountainous terrain is cut by Canyon Creek and Benton Creek, leaving ridges that run in a generally east-west direction (fig. 2).

The Experimental Forest contains most of the forest cover types of the Northern Rocky Mountains. The percentage-area distribution has changed with time, due to cutting, disease, insects, and natural succession. Western white pine (*Pinus monticola*) was, for many years, the most abundant timber type; now (Wellner 1976) the dominant types are western larch-Douglas-fir (*Larix occidentalis-Pseudotsuga menziesii*) and Douglasfir, followed by western hemlock-grand fir (*Tsuga* heterophylla-Abies grandis) and subalpine fir (Abies lasiocarpa). About two-thirds of the forest cover is over 100 years old.

Since its establishment, there have been no large wildfires within the Experimental Forest other than the Highlanding Fire in 1922 (Wellner 1976); this burned 400 acres (160 ha). There were close calls from the 18,000-acre (7 300-ha) Quartz Creek Fire in 1926 (Gisborne 1927) and the 31,000-acre (9 450-ha) Freeman Lake Fire in 1931 (Jemison 1932b). These fires came within 1 to 2 miles of the Experimental Forest. The Sundance Fire in 1967 did not threaten this Forest but occurred as close as 7 miles (11 km) to the north; it burned more than 50,000 acres (20 000 ha) in 9 hours (Anderson 1968).



Figure 2.—Topography of Priest River Experimental Forest and locations of stations or measurement places mentioned in text. Elevation contours (labeled in hundreds of feet) are drawn at 500-ft (152-m) intervals, except for dashed lines at 100-ft (30-m) intervals. HQ denotes control station at headquarters; CC, clearcut, or fire-weather station site; HC, half-cut site; FT, full-timbered site; BD, Benton Dam; BS, Benton Spring; GIS, Gisborne Lookout; EXP, Experimental Lookout. 27N, 27S, 38N, 38S, 55N, and 55S are altitude-aspect station sites on north (N) and south (S) slopes at 2,700, 3,800, and 5,500 ft (825, 1 160, and 1 675 m) elevation. BF is original control station (1912-16) on Benton Flat; SW and NE, southwest and northeast slope stations during same years. SC denotes end points of Benton Spring snow course (dashed line); TR, transect for snow studies. Benton Meadow snow course is in HQ vicinity.

STATIONS; DATA; METHODS

Station locations, past and present, are included in figure 2. The year-round data summarized in this report are primarily from the "control" weather station, located near the Experimental Forest headquarters building (figs. 3A and 3B); elevation is 2,380 ft (725 m). This station has been at its present site since 1916; the original control station was 0.25 mi (0.4 km) to the westnorthwest-in a former clearing on Benton flat-at a similar elevation. The recorded data are based on a 24-hour period ending at 5 p.m. P.s.t., the daily observation time. Such a long, continuous record at the same site is exceptional in the Northern Rocky Mountains. There has, however, been some change in the immediate surroundings due to growth of trees. The station was in the center of a clearing in earlier years (Jemison 1932a), but now the forest edge is much closer.

Most of the control station data through 1977 were obtained from a magnetic tape provided by Dr. Myron Molnau, State Climatologist, University of Idaho, Moscow. With this tape, 10-day summary tables were produced by computer programs described by Bradshaw (1981). Further data were hand-tabulated from "Climatological Data" monthly summaries for Idaho, published by the National Oceanic and Atmospheric Administration (NOAA) and predecessor agencies such as the U.S. Weather Bureau.





Figure 3.—"Control" weather station, Priest River Experimental Forest. A: Location, near headquarters building. B: Close-up view; precipitation gages toward left—weighingtype gage on platform, thermometer shelter in center.

The year-round precipitation data have been augmented by measurements at two additional stations (figs. 4A and 4B)-located at Benton Dam (2,650 ft [808 m]) and near Benton Spring (at 4,775 ft [1 455 m]); records date from 1941 and 1960, respectively. The amounts at Benton Dam-from a weighing-type recording gage-were compiled from U.S. Weather Bureau (1964), original forms, and "Hourly Precipitation Data" summaries published for Idaho. The amounts for Benton Spring-read monthly from a storage gage-were obtained mostly from an annual publication, "Storage-gage Precipitation Data for the Western United States,' discontinued in 1977. More recent data for this station and Benton Dam were provided by Priest River annual reports (for example, Carpenter 1979) and personal communication from Mr. Calvin L. Carpenter, Superintendent of Priest River Experimental Forest.

This report also utilizes monthly snowpack data depth and water content—from snow-survey courses adjoining Benton Spring and Benton Meadow (near the control station), published by the Soil Conservation Service, as well as streamflow data recorded at Benton Dam. The latter were obtained from Stage (1957) and the Forestry Sciences Laboratory, Moscow, Idaho. The year-round monthly temperature averages at mountaintop level have been estimated from those at two former



Figure 4.—Additional stations at Priest River Experimental Forest. A: Benton Dam precipitation and stream-gaging station; B: Benton Spring precipitation gage, storage type with wind shield.

stations—Mullan Pass, Idaho, and Mount Spokane, Wash.—obtained, respectively, from U.S. Weather Bureau (1964) and "Climatological Data" monthly summaries for Washington.

Fire-Weather Data

Climatic details for the fire season were obtained from tapes at the National Fire-Weather Data Library, Fort Collins, Colo. (Furman and Brink 1975), used with the computer programs of Bradshaw (1981); also from original fire-weather observation forms filed at the Northern Forest Fire Laboratory, Missoula, Mont. The data include relative humidity, wind, and lightning activity, as well as temperature and precipitation. In the Priest River valley area, the fire-weather data base covers the months May through October. The observations were begun in 1922; official records were from the control station until 1945, thereafter from the clearcut flammability-station site (Hayes 1941). This location (figs. 5A and 5B) is 2,800 ft (850 m) southwest of the control station and 80 ft (25 m) lower in elevation. Observations were discontinued in 1978. Comparative data have been summarized for the continuing fireweather (or fire-danger rating) station 17 miles (27 km) to the north-northwest at Priest Lake Ranger Station (fig. 5C), elevation 2,590 ft (790 m); the station was located 4 miles (6 km) further north prior to 1964. Until about 1970, the observation season at Priest Lake generally covered only the months June through September.

Fire-weather data, limited to July-August, are also summarized for Gisborne Mountain Lookout (figs. 6A-D), which maintained observations from 1933 until 1978. (This lookout was named Looking Glass prior to 1951.) Elevation at the tower base is 5,595 ft (1 706 m), but the weather station (except for wind measurements) was on slightly lower ground to the southeast. The mountaintop observations were originally taken at Experimental Lookout, 5,983 ft (1 824 m), which was located at the southeastern tip of the Forest, 1.4 miles (2.2 km) from Gisborne; records date from 1917 (Larsen 1922a) to 1932.

The fire-weather observation time was at 4:30 or 5 p.m. P.s.t. in earlier years and near 3 p.m. from about 1950 through 1973, after which it was changed to 12 noon. The respective changes were made in accordance with regional and national standards. Until the late 1940's, observations were also made in the morning at 8 a.m.

Our examination of topographic and local site variations in climate utilized recording charts from former altitude-aspect and flammability stations (Jemison 1934; Hayes 1941; Wellner 1976). These charts, from the 1930's, are filed at the Northern Forest Fire Laboratory.

Averages; "Normals"

Climatic averages presented in this report include those for standard 30-year "normal" periods, as adopted by international convention; the normal values are revised every 10 years. The 30-year length tends to balance out short-term fluctuations, but actually a longer period such as 50 years is desirable for precipitation (World



Figure 5.—A and B: Fire-weather station in clearcut area, Priest River Experimental Forest; discontinued in 1978. View toward southeast, in 1966 (A); site as it appeared in 1982, looking north (B). C: Fire-weather station at Priest Lake, Idaho, at airstrip across road from Ranger Station. Wind sock and anemometer are on pole to left (southsoutheast), outside of picture.



Figure 6.—Views at or from Gisborne Mountain Lookout, Priest River Experimental Forest. A: Tower, looking west. B: Fire-weather station, discontinued in 1978, as it appeared in 1982. Site is short distance southeast of tower. C: View to north, showing Priest Lake and Sundance Mountain (right). D: View to south.

Meteorological Organization 1967) and has thus been employed here. A 20-year data sample, however, has been used for averages (and frequency distributions) for some of the fire-weather elements; plotted 10-day values have been smoothed. This shorter length is based on availability of data at an unchanged observation time. In other cases, adjustments of short-term averages to longer (or standard) periods have been made, based on the "ratio method" for precipitation and the "difference method" for temperature. These methods, described further by Oliver (1973), use comparisons with adjacent stations having the full length of record.

Detailed listings and tabular summaries of data are given in the appendix. Further climatic details for Priest River and the surrounding northern Idaho area may be found in tables presented by the Pacific Northwest River Basins Commission (1968).

CONDENSED CLIMATIC SUMMARY

The climate of the Priest River area, like that of other places, is controlled by a combination of large-scale and small-scale factors, whose effects may vary with the time of year. The large-scale factors here include latitude, relative position on the North American continent, prevailing hemispheric wind patterns, and extensive mountain barriers. Small-scale or local factors include the topographic setting and position (valley, slope, or ridge location), as well as orientation or aspect, and vegetative cover. Elevation may cover various scales.

Broadly, the Priest River-Idaho panhandle climate is transitional between a northern Pacific coastal type and a continental type. The Pacific influence is noted particularly by the late autumn and winter maximum in cloudiness and precipitation; also in the relatively moderate average winter temperatures, compared with areas east of the Rocky Mountains. Summer is characteristically sunny and dry, though July and August are the only distinct summer months. July and August are thus also the peak fire-danger months.

Annual precipitation (rain and melted snow) averages 32 inches (817 mm) at the Forest headquarters; about 50 inches (1 270 mm) at locations near 5,500 ft (1 675 m) elevation. Wettest months are normally November, December, and January. Close to 60 percent of the annual total occurs during the period November through March. A slight, secondary peak in precipitation normally appears in May and June, followed by a sharp decrease in July. Snowfall accounts for more than 50 percent of the total precipitation at elevations above 4,800 ft (1 460 m). Snow cover usually persists in the valley from early December through the end of March; seasonal maximum depth averages 30 inches (75 cm). High-elevation snowpack reaches a depth of 5 ft (1.5 m) or more in March and April and may linger into June.

The main season of lightning (or thunderstorm) activity extends from late May through August. Storms occur within the Priest River vicinity on an average of 3 or 4 days each in June, July, and August.

Monthly mean temperatures at headquarters range from 24° F (-4° C) in January to 65° F (18° C) in July; these are midpoint values between the average daily maximum and minimum temperatures (based on a 5 p.m. observation time). The annual mean is 44° F (7° C). A large diurnal range occurs in summer, with July maximum temperatures averaging 83° F (28° C); January maximums average 30° F (-1° C). Site differences in the valley, as related to coverage by timber canopy, can make a difference of close to 10° F (6° C) in summertime diurnal range. Extreme temperatures have been as high as 103° to 105° F (about 40° C) and as low as -36° F (-38° C). Temperature inversions are commonplace, particularly on the clear summer and early autumn nights. The July mean temperature at Gisborne Lookout is only 4° F lower than at headquarters (3,200 ft [975 m] lower in elevation), due to daily minimums averaging 4° F higher.

The frost-free season, defined as the period with minimum temperatures staying above 32° F (0° C), has an average length in the valley of 96 days at headquarters but only 65 days in a clearcut area (at the former fire-weather station); close to 120 days under a full timber canopy. The season is longer at adjacent slope locations, particularly in the "thermal belt" around 3,500 ft (1 070 m), but is less than 100 days again at 5,500 ft (1 675 m).

Relative humidity is usually high throughout the day in late autumn and winter, averaging 70 to 80 percent or higher in midafternoon. In July and August, afternoon values average near 35 percent in the valley and 45 percent at 5,500 ft. Humidity below 20 percent was observed in the clearcut on about 20 percent of the days from late July to late August. Summer nighttime humidity in the valley typically recovers to over 90 or 95 percent by dawn. On the slopes above the temperature inversion, at the same time, humidity may average only 50 to 60 percent.

Winds in this area have a prevailing (most frequent) direction from the southwest during all or most of the year. Local terrain effects modify the larger-scale wind that occurs in the adjacent free atmosphere. A nighttime drainage effect is indicated in the headquarters area by a prevailing early morning wind direction from the northwest during the fire-weather season. Observed windspeeds are quite low throughout the year in the valley area, due in part to the sheltering by surrounding timber. Summer afternoon winds at 20 ft (6 m) above ground in the clearcut average 3 to 4 mi/h (5-6 km/h); nearby above the treetops, about 6 mi/h (10 km/h); at mountaintop locations, about 9 mi/h (15 km/h).

Two summers of continuous wind recording at Gisborne Lookout showed highest average speeds around midnight, between 10 and 11 mi/h (17 km/h); a minimum in late morning. This pattern is nearly opposite of that observed in the valley.

Sunshine duration is at a minimum in December, when it may average only 20 percent of the maximum possible, giving a monthly total of about 50 hours; this is estimated from adjacent stations. July has close to 80 percent of the maximum possible, with about 375 hours of sunshine in fully exposed locations.

A basic statistical summary of the climate is given in table 1.

DETAILS OF THE CLIMATE Precipitation

ANNUAL PRECIPITATION

Annual precipitation (rain and melted snow) at Forest headquarters averages 32 inches (817 mm), based on the 50 years 1931-80. A listing of the monthly and annual amounts for each year of record is given in table 14 (appendix); successive 10-year averages and 30-year normals are summarized in table 2. Ten-day averages and extremes are shown in table 15 (appendix). Water-year (October-September) totals have ranged from 17 inches (442 mm) in 1976-77 to 47 inches (1 188 mm) in 1973-74. Ten-year (decadal) annual averages have ranged from 26 inches (650 mm) during 1921-30 to 34 inches (861 mm) during 1951-60. A 40-year comparison shows annual precipitation averaging about 2 percent greater at Benton Dam, 1.3 miles (2.1 km) to the east.

The Benton Spring storage gage, near 4,800 ft (1 460 m), indicates a relatively small elevational increase in precipitation, with the annual total here averaging 37 inches (950 mm). The Benton Spring snow survey data, however, indicate that the gage catch is too low. For example, the average snowpack water content for 1963-77 (latest 15-year period used by the USDA Soil Conservation Service for comparative purposes) shows an increase of 5.6 inches (142 mm) during January and 3.8 inches (97 mm) during February; the corresponding average precipitation inside the gage was only 4.6 inches (117 mm) and 2.9 inches (75 mm), respectively.

Gage catch can easily be reduced by wind (Hayes 1944)—particularly in the case of snow (Wilson 1954; Linsley, Jr. and others 1958), but the Benton Spring gage site (fig. 4B) is rather sheltered. The gage itself is equipped with a standard shield to reduce wind effects. A possible alternate explanation is interception of windborne snow by the sheltering trees. On the snow course, there is a noticeable variation in snowpack between measuring points (from which an average is obtained), although this is attributed to differences in canopy situated more directly overhead (communication from Calvin L. Carpenter). An adjustment of the Benton Spring precipitation, as described below, gave an annual average of 42 inches (1 070 mm).

Much heavier precipitation is indicated, by snow surveys, to the east in the Schweitzer Basin ski area,

	11	Yeat	1969,5	1948	1975	1933	1943	1916			1971	1933	1973	1951	Dec. 1951
		mumixsM Maximum	16.0	13.5	8.5	5.2	2.0	2.0	0.	0.	1.0	5.0	10.5	20.0	20.0
	Snowfali	Year	1969	1937	1951	1922	1943	1916			1971	1919	1973	1951	Jan. 1969
		mumixsM Maximum	89.0	53.3	35.2	10.3	3.0	2.0	0	0.	1.0	9.5	37.7	56.3	89.0
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cipitation		mumixsM Maximum Ylisb	1.74	1.73	1.90	1.50	2.05	1.51	1.34	1.66	1.65	1.75	2.40	2.21	2.40
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		mumixsM Maximum	8.38	6.53	5.99	4.53	6.24	4.92	3.43	4.24	7.50	8.31	10.46	11.22	11.22
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Tem		Monthly	23.8	28.7	34.6	43.5	52.4	58.7	64.7	63.2	55.4	44.8	32.9	27.6	44.2
	Averages	Daily muminim	17.5	20.2	24.1	30.1	37.6	43.9	46.5	44.7	39.1	32.9	26.7	22.6	32.2
		Daily mumixsm	30.1	37.1	45.0	56.9	67.1	73.4	82.8	81.6	71.6	56.6	39.1	32.5	56.2
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Year 1.6 SW 126 89 150 136 28 16 14 18		4 22	17	8		0	29
	Year 1.6 SW 126	89 150	136	28	16	14	188

Table 1.—Climatic averages and extremes at Priest River Experimental Forest control station. Based on 24-hour period ending at 5 p.m. P.s.t., and on years 1931-80 for averages and 1912-82 for extremes, except as noted

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Table 2.- Ten-year (decadal) and 30-year "normal" average precipitation, inches, Priest River Experimental Forest control station

Period	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Decade										· · · · ·			
1912-20 (9 years)	3.79	2.96	2.77	2.18	2.55	2.00	1.34	1.30	1.97	2.28	4.30	3.57	31.01
1921-30	3.43	2.80	1.90	1.76	1.62	1.63	.41	1.25	1.68	2.45	2.94	3.76	25.60
1931-40	4.52	2.99	2.90	1.81	1.26	1.82	.73	.40	1.46	2.90	3.55	5.72	30.05
1941-50	3.15	3.01	3.03	2.18	2.94	3.28	1.10	.99	1.88	3.91	4.00	4.05	33.52
1951-60	5.26	3.41	2.59	2.09	2.35	2.71	.88	1.28	1.46	3.06	4.22	4.57	33.88
1961-70	4.75	2.81	2.85	1.97	2.32	2.17	.83	1.21	1.64	2.68	4.27	4.95	32.47
1971-80	3.72	3.29	2.35	1.99	2.54	1.60	1.43	1.88	1.52	1.57	4.10	5.00	30.99
30 Years													
1912-40 (29 years)	3.92	2.92	2.51	1.91	1.78	1.81	.81	.97	1.69	2.55	3.57	4.37	28.81
1921-50	3.70	2.93	2.61	1.92	1.94	2.24	.75	.88	1.67	3.09	3.50	4.51	29.74
1931-60	4.31	3.13	2.84	2.03	2.18	2.59	.90	.89	1.60	3.29	3.92	4.78	32.46
1941-70	4.39	3.08	2.83	2.08	2.54	2.71	.94	1.16	1.66	3.22	4.17	4.52	33.30
1951-80	4.58	3.17	2.60	2.02	2.41	2.16	1.05	1.46	1.54	2.44	4.20	4.84	32.47

6 to 7 air miles (10 km) from Benton Spring (see later section). Within the Experimental Forest, an annual average of about 50 inches (1 270 mm) is indicated at 5,500 ft (1 675 m), based on 4 years of intensive snow sampling (Packer 1962); an adjustment has been made for the abnormally high snowpack during this period, 1949-52. The seasonal maximum water content at this elevation averaged 37 inches (940 mm). The corresponding average at 4,800-ft (1 463-m) locations was 23 inches (585 mm); it was actually a few inches more than this at Benton Spring (with snowpack about 25 percent above normal).

MONTHLY DISTRIBUTION

The pattern of monthly precipitation (fig. 7) shows a decided peak in late autumn-early winter. Amounts at Priest River headquarters average 4.0 inches (100 mm) or greater in November, December, and January, with

close to 5.0 inches (125 mm) in December. Extreme monthly totals have reached 11 inches (285 mm). A slight secondary peak occurs in May and June, followed by a sharp decrease to the summertime minimum in July and August. Monthly amounts then average around 1.0 inch (25 to 29 mm). The averages shown for Benton Spring include an adjustment for the suspected deficiency, mentioned above. The adjustment, limited to the snow season, used a smoothed curve of ratios of Benton Spring/headquarters monthly precipitation based on 22 years; the ratios-initially relatively low in winter-were extrapolated upward from those in spring and early autumn. About 59 percent of the annual precipitation at headquarters is received during the months November through March; the proportion is 60.5 percent at Benton Spring using the adjusted averages, only 56 percent using the observed gage catch.



Figure 7.—Monthly average precipitation, Priest River Experimental Forest. Lower panel: At headquarters (control station), based on 50 years 1931-80; snowfall (open bars) is plotted on scale (right side) proportional to that of precipitation, assuming an average of 1.0 inch water equivalence from 12.0 inches snowfall. Upper panel: Near Benton Spring (4,800 ft), 22 years of storage gage data adjusted to 1931-80 (hatched bars or portions of bars); averages further adjusted for deficient gage catch of snow are shown by shaded bar extensions.

DAILY PRECIPITATION

Frequencies of various daily precipitation amounts at headquarters are shown in table 16 (appendix). The maximum on record for any day (5 p.m. to 5 p.m.) is 2.4 inches (61 mm) in November 1959; Benton Dam received 2.5 inches (63 mm) during a different 24-hour period in the same storm. These amounts are well below the 24-hour maximum expected according to maps by Miller and others (1973); they show 3.6 inches (91 mm) for a 100-year period and 3.0 inches (76 mm) for only a 25-year period.

Maximum 1-hour precipitation at Benton Dam is summarized in table 3. The extreme for the 40-year period, 1941-80, is 0.90 inch (23 mm), recorded in both June 1948 and July 1958. This amount is somewhat higher than that calculated for a similar period using the above reference; a 1-hour extreme of 1.0 inch (25 mm) is calculated for a 100-year period. A 6-hour extreme of 1.5 inches (38 mm) occurred at Benton Dam in December 1961. The cool-season precipitation, nevertheless, occurs with relatively low 1-hour maximum amounts; it accumulates over long durations. For the years 1941-66, Benton Dam had an average of 147 hours in both December and January with 0.01 inch (0.25 mm) or more, compared with 19 hours in July and 27 hours in August.

SNOWFALL

Annual snowfall at headquarters averages 88 inches (225 cm), based on the years 1931-80. This amount represents the sum of individual daily accumulations, before melting or settling occurs. The monthly average snowfall is included in figure 7; the averages are plotted on a scale such that their approximate water equivalent may be compared with the total precipitation (shown by the shaded bars). For this purpose, we assumed an overall snowfall density of 0.083—that is, 1.0 inch (25 mm) of water in 12.0 inches (30.5 cm) of newly fallen snow, though much variation can be expected between individual storms. A similar average density has been found elsewhere (Landsberg 1958).

Monthly and annual amounts for each year (or snow season) of record are listed in table 17 (appendix). December and January are usually the snowiest months, with 50-year averages of 25 and 29 inches (63 and 74 cm), respectively, at headquarters (table 1). Even so, figure 7 indicates that over half of the December precipitation here occurs as rain; almost half in January. Overall, about 23 percent of the annual precipitation is contributed by snowfall. Seasonal snowfall totals at headquarters have ranged from 26 inches (66 cm)—most recently in 1976-77—to 154 inches (391 cm) in 1949-50. Monthly totals have been as high as 89 inches (226 cm) in January 1969; only 2 inches (6 cm) fell during January 1981. Maximum 1-day snowfall of 20 inches (51 cm) occurred in December 1951; 2-day snowfall reached 25 inches (64 cm) in January 1951.

Annual snowfall probably averages over 300 inches (760 cm) at a 5,500-ft (1 675-m) elevation. Here, it contributes about 55 percent of the annual precipitation (based on stations in the northern half of Idaho [Finklin 1983]).

Snow Cover; Snowpack.—In an average season, the headquarters area has about 120 days with 1 inch or more of snow cover. The number of such days has varied from 152 in 1935-36 to 35 in 1980-81. The period of continuous, day-to-day, cover has a median duration from December 5 to March 30. This cover has begun as early as November 10, 1931, and has remained as late as April 18, 1975. Snow cover was present during the entire month of January in all but 2 of the 50 years 1931-80 and throughout February in all but 4 years. But in 1981, there was practically none during these two months.

Snow depth at headquarters (table 4) has been as great as 54 inches (137 cm), in January 1969, compared with an average seasonal maximum of 30 inches (75 cm). The maximum occurs more frequently in February than in January. At the Benton Spring snow course, the depth usually peaks in March or April; it averages close to 5 ft (1.5 m) on the March 1 and April 1 monthly survey dates. A record depth of 93 inches (236 cm) was measured in 1956, on March 1. The snow lasts well into May here and into June at higher locations. Water content on April 1 at Benton Spring averages 20 inches (515 mm). To the east, water content averages 31 inches (785 mm) at Schweitzer Bowl (at a similar, 4,800-ft [1 463-m] elevation) and 48 inches (1 215 mm) at Schweitzer Ridge (6,200 ft [1 890 m]).

Detailed measurements cited by Wellner and others (1951) show much less snowpack on south-facing slopes than on north-facing slopes— particularly toward late season (March and later). The ground becomes bare about a month earlier on the south slopes at lower and middle elevations; perhaps 2 weeks earlier on the south slope at 5,500 ft (1 675 m). Consistently more snow was indicated in forest openings than under timber, except near the time of disappearance. Larsen (1940) showed similar slope-related differences, comparing lower-slope

Table 3.-Monthly maximum 1-hour precipitation, inches, at Benton Dam, Priest River Experimental Forest, during 40 years 1941-80

Item	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Median	0.15	0.15	0.15	0.13	0.17	0.20	0.19	0.21	0.15	0.15	0.15	0.15	0.37
Highest	.40	.32	.28	.28	.50	.90	.90	.52	.81	.29	.27	.29	.90
Year	1966	1972	1958	1961	1978	1948	1958	1964	1942	1961, 1970	1942	1961	1948, 1958

Table 4.—Average snow depth (D) and snowpack water content (W), at end of month; maximum snow depth (Max D) during month; Priest River Experimental Forest

Location, period of record		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
						hes			
Control station,									
1931-80	D	*1	3	12	20	19	5	0	
1912-81	Max D	5	.21	41	54	51	50	28	
	Year	1919	1915	1964	1969	1969	1916	1917	
Benton Meadow.									
1937-80	W			2.8	5.0	6.2	3.2	0	
Benton Spring.									
1937-80	D		12	31	47	55	56	36	0
	W		M ²	8.4	13.7	18.2	20.4	15.4	0

1* = Occurrence too rare for meaningful average.

²M = Missing; not measured.

stations having southwest and northeast aspects. Elevation, aspect, and canopy effects on snowpack are analyzed by Packer (1962), using statistical methods. Packer (1971) also analyzes the effects on snowmelt.

STREAMFLOW

The streamflow (or runoff) regime of Benton Creek is compared in figure 8 with that of precipitation. (The precipitation, based on the 50 years 1931-80, is within 1 percent of its average for the 34 years, 1940-73, of available runoff data.) The effect of water storage in snowpack and subsequent release with snowmelt is very evident. Overall, 32 percent of the total runoff occurs in May; 53 percent in April and May combined. The average date of peak runoff is May 4; median date, May 10. The peak has occurred as early as February 26, in 1958, and as late as May 29, in 1962. The springtime peak flows are analyzed in detail by Haupt (1968).

For the 950-acre (385-ha) drainage area above Benton Dam, annual runoff averages about 1,275 acre-ft (157 ha-m), from a discharge rate averaging just 1.8 ft³/s (0.05 m³/s); the rate averages 6.6 ft³/s (0.19 m³/s) in May. Highest daily average discharge was 22.6 ft³/s (0.64 m³/s) on April 27, 1952. Depth of runoff distributed



Figure 8.—Comparison of average water-year regimes of precipitation and runoff in Priest River Experimental Forest. Precipitation is a two-station average, from control station and Benton Spring, based on or adjusted to 50 years 1931-80. Runoff is that of Benton Creek, measured at Benton Dam, during 1940-73. Monthly and cumulative monthly amounts are in percentage of water-year total. uniformly over the drainage would be 16 inches (400 mm), or about 40 percent of the areal average precipitation of close to 40 inches (1 000 mm). About 24 inches (600 mm) of this precipitation is apparently utilized in evapotranspiration. Annual runoff depth has varied from 6.0 inches (153 mm) in water year 1944 to 25.3 inches (643 mm) in 1956.

The water-year runoff has only a fair correlation with water-year precipitation at the control station; the 34-year correlation coefficient, r, was 0.71. Using September-August, September-June, or October-June precipitation, r was 0.78 to 0.79. Dividing the precipitation into seasons, Stage (1957), with 16 years of data, obtained a multiple regression having a correlation coefficient of 0.92.

FIRE-SEASON PRECIPITATION

Ten-day details of valley-area precipitation (taken from tables 15 and 16, appendix) are given in figure 9; these cover the official fire season, May through October, and about a month before and after. Much of the irregularity seen in the averages and frequencies, even with 50 years of data, is probably accidental. The broader features show the large decrease in precipitation that usually commences around early July and a moderate increase



Figure 9.—Average regimes of 10-day precipitation and thunderstorm occurrence, Priest River Experimental Forest headquarters area (control station); based on 50 years 1931-80. In bottom panel, totals for 11-day periods have been adjusted to 10 days.

in late August, with little further change during September; then, an upward trend to wet late autumn conditions. Although July and August are normally dry, large variation can occur from one year to another and between decades (tables 2 and 14). At the control station, the 2-month precipitation totaled 0.3 inch (8 mm) in 1967; 6.4 inches (163 mm) in 1978.

Ten-day averages and frequencies are presented also for Priest Lake Ranger Station and Gisborne Lookout, in tables 18 and 19 (appendix); these cover a shorter season and some of the periods have incomplete data. Overall, the July-August precipitation at Priest Lake averages about 10 percent greater than at the Priest River control station. For the same months, Gisborne Lookout receives about 25 percent more than the control station.

THUNDERSTORMS

The main season of lightning (or thunderstorm) activity extends from late May through August (fig. 9, top panel). During this time, storms within about a 20-mile (32-km) distance occur on about 10 to 15 percent of the days. Thus, July and August, the peak fire-danger months, each have an average of 3 days with storms observed at the valley location; 4 days at Gisborne Lookout. Detailed lightning observations at this lookout during 1956-71 for Project Skyfire, Northern Forest Fire Laboratory, showed that 73 percent of the July-August storms began between 12 noon and 12 midnight, P.s.t. Based on 15-minute counts of cloud-to-ground discharges during 1960-71, the Lightning Activity Level (LAL) as defined in the National Fire Danger Rating System (Deeming and others 1977) was 2 on 51 percent of the thunderstorm days (or on 6 percent of all days). LAL was 3 on 21 percent of the storm days; 4, on 7 percent; 5, on 21 percent.

PRECIPITATION TRENDS

Precipitation trends or fluctuations during the past 70 years are depicted in figure 10, using two forms of smoothing. These employ 11-year running means and 5-year weighted means, both representing overlapping sequences of years. The first form gives equal weighting to each year's data; the second, portraying short-term fluctuations, applies successive weighting of 1, 4, 6, 4, and 1. Values are plotted as percentages of the 1931-80 average.

The graphs of annual precipitation show the wellknown dry period centered in the 1920's and 1930's. Analyzing tree rings in northern Idaho, Leaphart and Stage (1971) found that this period represented the most adverse growth conditions for western white pine in three centuries. Following a recovery centered in the 1950's, an overall downward tendency is indicated in more recent years. The "winter" (November-March), late spring (May-June), and summer (July-August) graphs also show dry conditions in the 1920's and 1930's, but they display some opposing tendencies since that time. For example, May-June precipitation was rather high in the 1940's (opposite of the winter pattern), then declined until very recently; while July-August precipitation





shows an irregular increase into the 1950's, then an exceptional increase during the 1970's. The 5-year weighted mean summertime precipitation centered around 1976, 1977, and 1978 was nearly 200 percent of the 1931-80 average; this mean had been as low as 25 percent in the early 1930's.

Graphs representing stations farther south in northern Idaho and extreme eastern Washington (Finklin 1983) show similar precipitation characteristics. For earlier years, these graphs indicate a relatively wet period near the beginning of this century.

Temperature

The normal yearly course of temperature is portrayed in figure 11, for both headquarters and a 5,500 ft (1 675 m) elevation. Averages at this mountaintop level have been estimated from those atop Mount Spokane, Wash., and Mullan Pass, Idaho, at about 5,900 to 6,000 ft (1 800 to 1 835 m). The estimates—adjusting for elevation and period of record—were tuned to be consistent with the July and August averages from Gisborne Lookout.

For the normal period, 1951-80, average daily maximum temperatures at headquarters range from 30° F (-1° C) in January to 82° F (28° C) in July; average



Figure 11.—Average daily maximum and minimum temperatures at valley and mountaintop locations, Priest River Experimental Forest; based on 24 hours ending at 5 p.m. and 30-year normal period, 1951-80. Mountaintop averages are estimated (see text).

minimums range from 18° F (-8° C) to 47° F (8° C). Monthly mean temperatures—taken as midpoint values between the maximum and minimum—are thus 24° F (-4° C) in January and 65° F (18° C) in July; the annual mean is 44° F (7° C). These means are based on 24-hour maximum and minimum data observed at 5 p.m. P.s.t., and may be about 1° F higher than means based on actual calendar-day data or individual hourly readings (explanations are given by Rumbaugh 1934; Baker 1975). At 5,500 ft (1 675 m), the monthly means range from about 20° F (-7° C) to 61° F (16° C)—only a few degrees lower than those at headquarters. This small elevational decrease reflects the presence of temperature inversions. These are mainly a nighttime phenomenon but also affect daytime temperatures in autumn and winter.

Inversion effects on daytime (or maximum) temperature are greatest in December and January, when, most often, a warmer airmass aloft may override cold air entrenched in the valley. Conversely, the daytime temperature decrease with elevation, or "lapse rate," is generally strongest in spring; average maximums at 5,500 ft (1 675 m) then run 13° or 14° F (7° or 8° C) below those at headquarters. The difference is 1° or 2° F less in July and August. On the other hand, during these two months and early autumn, nighttime inversions—from radiational cooling favored by clear skies (Schroeder and Buck 1970)—result in lower average minimum temperatures at headquarters than at 5,500 ft.

Temperatures for each year of record at the control station, through 1982, are listed in table 20 (appendix); successive 10-year averages and 30-year normals, in table 5. Ten-day averages and extremes are shown in tables 21, 22, and 23 (appendix); frequency distributions of daily values, in tables 24 and 25 (appendix). The coldest month of record is January 1937, with a mean of 6.5° F (-14° C), including an average minimum of -4.4° F (-20 $^{\circ}$ C). The warmest month is July 1975, with 70.4 $^{\circ}$ F (21° C), resulting from a high average minimum; the highest average maximum, 90.7° F (33° C), occurred in August 1967. Extreme maximum for any day is 103° F (39° C) recorded in August 1961-the clearcut (fireweather) station reached 105° F (41° C); the minimum is -36° F (-38° C) in December 1968. The extremes show a smaller range at higher elevations. Mount Spokane, Wash., had -28° F (-33° C) in December 1968; Gisborne Lookout, 95° F (35° C) in August 1961.

For most months of the year, the 1971-80 average minimum temperatures (table 5) show an increase over those during 1961-70 and preceding decades; the increase is particularly large in July and August, about 3° F (1.5° C). Possibly up to 1.0° F of this summertime increase may be a result of a change that occurred in observation practice—using a hygrothermograph trace, rather than actual maximum and minimum thermometer readings, to obtain the daily temperature extremes. There may thus be effects of slower response often found in hygrothermographs, as well as possible bias in calibration.

A comparison in table 6 shows that the 3° F increase in control station minimum temperature was slightly greater than that observed at the Priest River fireweather station (before its termination in 1978) and at Priest Lake. Data from five adjacent climatological stations give a corresponding increase averaging only 0.5° F relative to 1961-70; 1.5° F since 1951-60, though this ranges from 0.4° F at Sandpoint to 2.7° F at Newport.

FROST-FREE PERIOD

As shown in table 7, the control station has an average length of 96 days between last-spring and firstautumn minimum temperatures of 32° F (0° C) or lower. The respective average threshold dates are June 4 and September 8. There is an average length of 137 days between occurrences of 28° F (-2° C) or lower. These temperatures are usually reached under fair-weather conditions—by radiational cooling—and are accompanied by frost formation.

The frost-free season is shorter at the clearcut site, averaging 29 days shorter between dates of 32° F. For both the 32° F and 28° F thresholds, the season at valley locations may average close to 2 months longer under a full timber canopy than in the clearcut. This is indicated by 6 years of recording charts from the former flammability stations. Four years of charts indicate an even longer season without freezing temperatures at the former 2,700-ft (823-m) and 3,800-ft (1 160-m) altitudeaspect stations. The season becomes short again at highest elevations, as shown in table 7 for Mount Spokane and Mullan Pass, at 5,900 to 6,000 ft (1 800 to 1 835 m); it may be about 2 weeks longer than this at 5,500 ft (1 675 m). The threshold occurrences at these elevations are often with blustery conditions, sometimes with late-spring and early-autumn storms that bring snow.

 Table 5.—Ten-year (decadal) and 30-year "normal" average daily maximum and minimum temperatures, °F, at Priest River Experimental

 Forest control station

Period		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Decade														
1912-20	Max.	30.5	36.8	45.4	57.5	64.2	74.0	82.1	81.6	69.7	55.0	39.8	31.5	55.8
(9 years)	Min.	15.2	17.3	22.4	28.3	34.4	39.7	43.5	41.9	36.0	29.9	25.8	18.5	29.4
1921-30	Max.	29.1	37.0	46.5	57.3	67.5	74.5	84.7	82.4	70.1	57.1	39.7	31.2	56.5
	Min.	15.8	18.7	24.2	29.5	36.0	42.7	44.8	43.7	36.9	31.4	26.7	19.4	30.9
1931-40	Max.	31.5	35.1	46.0	58.8	68.9	74.7	83.8	83.3	72.4	57.5	39.9	34.3	57.3
	Min.	18.9	15.9	24.9	30.3	36.9	43.3	46.1	42.4	38.9	33.3	26.5	23.7	31.8
1941-50	Max.	29.1	38.5	46.0	58.6	67.0	71.9	82.6	81.1	71.5	56.6	40.0	33.0	56.4
	Min.	13.4	19.1	23.4	30.1	37.7	43.6	46.4	44.5	38.6	32.9	27.4	21.5	31.6
1951-60	Max.	31.1	36.8	43.7	56.3	67.2	72.4	82.6	79.9	71.6	56.5	39.2	32.6	55.8
	Min.	18.9	20.0	22.4	29.3	37.5	43.1	45.8	43.9	38.7	32.7	24.5	22.7	31.6
1961-70	Max.	30.5	38.7	45.0	54.9	66.2	74.5	82.6	82.3	71.5	55.3	39.5	31.4	56.0
	Min.	19.4	22.2	23.7	29.8	37.1	44.2	45.9	44.8	38.8	32.7	27.9	22.3	32.4
1971-80	Max.	28.6	36.2	44.1	55.9	66.2	73.6	82.2	81.2	70.9	57.0	37.1	31.4	55.3
	Min.	16.8	23.6	25.9	31.0	38.9	45.1	48.5	47.6	40.6	32.9	27.0	23.0	33.4
30 Years														
1931-60	Max.	30.6	36.8	45.2	57.9	67.7	73.0	83.0	81.4	71.8	56.9	39.7	33.3	56.5
	Min.	17.1	18.3	23.6	29.9	37.4	43.3	46.1	43.6	38.7	33.0	26.1	22.6	31.6
1941-70	Max.	30.2	38.0	44.9	56.6	66.8	73.0	82.6	81.1	71.5	56.2	39.9	32.3	56.1
	Min.	17.2	20.4	23.1	29.7	37.4	43.6	46.0	44.4	38.7	32.8	26.6	22.2	31.9
1951-80	Max.	29.9	37.2	44.3	55.7	66.5	73.5	82.4	81.1	71.3	56.3	38.6	31.8	55.7
	Min.	18.4	21.9	24.0	30.1	37.8	44.1	46.7	45.5	39.4	32.8	26.5	22.7	32.5

Table 6.—Station comparison, by decades, of average daily maximum and minimum temperatures,°F, observed during July and August

				Stat	ion ¹ and	daily obs	ervation ti	me ²		
		PREF	PRFW	PLFW	BONF	CDAL	NEWP	PTHL	SAPT	5STA
Period		17	15 ³	15 ³	174	17-15	17-15	174	17	
			Av	verage te	mperatur	e, July ar	nd August	combin	ed	
1951-60	Max.	81.3	83.1		83.2	85.7	84.8	83.2	80.1	83.4
	Min.	44.9	42.0		48.7	51.3	43.8	48.1	47.7	47.9
1961-70	Max.	82.5	83.4		83.0	86.0	85.4	82.4	81.0	83.5
	Min.	45.4	43.0		49.0	52.5	45.8	49.0	48.2	48.9
1971-80	Max.	81.7			83.1	84.7	84.0	80.9	80.8	82.7
	Min.	48.1		42.5	49.9	52.9	46.5	49.8	48.1	49.4
1964-70	Min.	45.2	42.7	40.6						
1971-77	Min.	48.0	44.7	42.2						

¹PREF denotes Priest River Experimental Forest Control Station; PRFW, Priest River fire-weather station (terminated after 1977); PLFW, Priest Lake fire-weather station (location since 1964); BONF, Bonners Ferry, Idaho; CDAL, Coeur d'Alene, Idaho; NEWP, Newport, Wash.; PTHL, Porthill, Idaho; SAPT, Sandpoint, Idaho; 5STA, average of five preceding stations.

²Time based on 24-hour clock; thus 17 denotes 5 p.m. local time.

⁴Time changed to 07 in 1975.

Table 7.—Freezing temperature thresholds, °F. Observed dates of last occurrence in spring (or until July 31) and first occurrence in autumn (or after July 31), Priest River Experimental Forest valley area and adjacent mountain stations

	Da spri	ate ¹ of las	st um	Da autu	ate of firs mn minin	st num	Nur	nber of d ween dat	ays es
	24°	28° or lower	32° *	32 °	28° or lower	24 °	24 °	28° or lower	32 °
Priest River control	station, 5	0 years 1	931-80:						
Mean	4/17	5/11	6/4	9/8	9/24	10/14	180	136	96
Standard									
dev., days	13	13	19	14	13	15	20	21	27
Median	4/19	5/12	5/31	9/9	9/22	10/14	182	133	101
Earliest,	3/17	4/13	4/17	8/7	9/3	9/8			
year	1958	1980	1980	1946	1956	1962			
Latest,	5/11	6/13	7/30	10/7	11/5	11/14			
year	1959	1952	1933	1940	1940	1956			
Maximum,							228	203	139
year							1940	1940	1968
Minimum,							133	92	34
year							1965	1952	1933
Priest River fire-weat	her statio	on (clearc	ut), 28 ye	ars 1946-	73:				
Mean		5/18	6/19	8/23	9/10			115	65
Difference,									
days ²		+6	+ 14	-15	-11			-17	-29
Median		5/19	6/18	8/23	9/10				
Mullan Pass, Idaho (1959-72): two-station	10 to 15	years dur	ing 1942-5	7) and N	/lount Sp	okane, W	ash. (12 y	ears duri	ng
Mean	5/12	6/6	6/23	0/0	0/21	10/5	146	107	78
Median	5/9	6/8	6/26	9/9	9/22	10/5	1-40	107	10

¹Month number/day number; thus 4/17 is April 17.

²Mean date minus that at control station during same years.

³Time changed to 12 in 1974.

TEMPERATURE TRENDS

Past trends or fluctuations of temperatures at the control station are depicted in figure 12. As with precipitation in figure 10, the observed values have been smoothed; here they are plotted as degree differences from the 1931-80 average.

The graphs-for annual, winter, and summer mean temperatures—all show a warming trend from the beginning of record until about 1940; this is generally concurrent with the notable period of below-average precipitation (fig. 10). Graphs for an area to the south (Finklin 1983) indicate that this warming trend had begun only a few years earlier. The 11-year annual and summertime means in that area varied little for at least 30 years prior to the 1910's; wintertime means rose 4° F (2° C) from about the mid-1880's to 1900, then fell 2° F (1° C) by the early 1910's. After 1940, figure 12 shows a cooling until about 1950 to 1955; since then, to date, an overall warming for the year and summer-this has occurred without the dry conditions of the 1930's. The more irregular winter temperature pattern indicates an overall decline since the early 1960's.

Recent 11-year July-August means at the control station have been about 1.0° F higher than those of the



Figure 12.—Temperature fluctuations during 70 years since 1912 at Priest River Experimental Forest, control station; based on averages of observed daily maximum and minimum values. Eleven-year running means (solid lines) and 5-year weighted means (dashed lines) are plotted at midpoint years.

1930's, but this excess is due to the higher minimum temperatures noted earlier—maximum temperatures are down (table 5). For the above-mentioned area to the south, a graph shows recent July-August means peaking about 0.5° F above the 1930's level. The 1960's and 1970's temperature trends in northern Idaho are contrary to some of the cooling publicized for eastern parts of the United States. This difference may follow from the east-west spacing between prevailing upper-air trough and ridge locations.

Relative Humidity

Relative humidity is recorded continuously throughout the year on hygrothermograph charts at the control station, but the data have not been tabulated; accuracy is uncertain, particularly during winter. Available yearround humidity averages, based on psychrometer readings, cover only the period prior to 1919 and a 5 p.m. P.s.t. observation time. Otherwise, humidity data for Priest River are limited to the fire-weather season with readings at 8 a.m. and 5 p.m. until about 1950; once-daily at 3 p.m. in subsequent years. In the valley these data are from the clearcut site beginning in 1945.

The general annual pattern of relative humidity may be obtained from figure 13. Afternoon averages at Priest River (valley location) are shown, together with afternoon and early morning averages elsewhere in the Northern Rockies; both a valley and a ridgetop location are represented. Relative humidity tends to vary inversely



Figure 13.—Graphs of monthly average relative humidity at 4 a.m. (A) and 4 p.m. (P) at Kalispell, Mont., airport (based on years 1950-70) and Mullan Pass, Idaho (1950-54 data adjusted to longer period). Superimposed are averages for Priest River Experimental Forest, valley area, at 4:30-5:00 p.m. (based on 1921-50, except 1912-18 for March) and at 3 p.m. (based on 1951-70). Times are P.s.t.

with temperature (Schroeder and Buck 1970), and this largely accounts for the diurnal differences seen in this figure; also for higher afternoon values at higher elevations. The 3 p.m. averages at Priest River, during May through October, are generally similar to the afternoon averages shown for Kalispell, Mont.; higher values occur at Priest River by 5 p.m., particularly in late season. Early morning humidity in the Priest River valley area probably averages higher throughout the year than at Kalispell; it averages above 90 percent in summer, as seen later. As inferred from figure 13, relative humidity in the Experimental Forest is high throughout most days during November through February, averaging 70 to 80 percent or higher in midafternoon. With a slight interruption in the showery month of June, the afternoon average decreases sharply during spring, reaching July-August levels of about 34 percent in the valley.

TEMPERATURE AND RELATIVE HUMIDITY DURING FIRE SEASON



Figure 14.—Ten-day average dry bulb temperature and relative humidity at 3 p.m. P.s.t. at valley and mountaintop locations, Priest River Experimental Forest; based on years 1951-70. Curves are drawn through smoothed values plotted at middle of 10-day period; smoothing used 1-4-1 weighting applied to original values of three consecutive periods. rainfall seen in figure 9. With an elevational difference of about 3,280 ft (1 000 m), the temperature differences indicate an average summer afternoon lapse rate of 4.0° F per 1,000 ft (7.3 ° C per 1,000 m) between the valley bottom (clearcut area) and the lookout. As shown later, however, temperatures at intervening slope locations can vary several degrees or more from lapse-rate estimates. Further temperature and humidity details are given in tables 26 and 27 (appendix). Noteworthy is the combination of extremely high afternoon temperature and low relative humidity that persisted during the 10-day period August 11-20, 1967—the year of the Sundance Fire run, north of the Experimental Forest (Anderson 1968). The lowest recorded daily humidity value at Priest River, 5 percent, occurred in August 1961.

Percentage frequencies (or probabilities) of various temperature and humidity values are graphed in figure 15. Again, the curves reveal a turn toward summertime levels near the end of June. Occurrence of a midafternoon relative humidity below 30 percent in the valley has a 23 percent chance in mid-June; a 62 percent chance by late July. Additional details are given in tables 28 and 29 (appendix).

Combined frequencies of temperature and relative humidity, together with windspeed, are given in table 30 (appendix). The frequencies of values beyond certain



Figure 15.—Ten-day frequencies of specified dry bulb temperature and relative humidity at 3 p.m. P.s.t. at valley and mountaintop locations, Priest River Experimental Forest; based on years 1951-70. Curves are drawn through smoothed values, as in figure 14.

limits, rather than within the classes shown, may be obtained by appropriate summation.

Ten-day details are also given (tables 31 and 32, appendix) for average daily maximum and minimum temperatures. The Priest River data—from the clearcut area—differ somewhat from those in tables 16 and 17 (appendix) for the control station; the frequency distributions (not shown) also differ. Periods of record are different, but the site differences are the main factor. For the same 20-year period, 1951-70, July-August maximum temperatures averaged 1.3° F lower at the control station than in the clearcut; the minimums, 2.6° F higher.

Topographic and Local Site Effects.--Further local and topographic variations in temperature are summarized in table 8. This tabulation utilizes data from fire-weather observation forms and also the recording charts for the 1930's altitude-aspect and flammability stations. The averages, though based on only four summers, demonstrate that temperatures at a slope location do not necessarily fit a simple elevational gradient or lapse rate. Local surroundings are an important consideration in addition to aspect. The thermal belt described by Hayes (1941) is a few hundred feet below the 3,800-ft (1 160-m) elevation. Here, near the average nighttime inversion top, minimum temperatures during July-August averaged as much as 15° F (8° C) higher than at the clearcut site. A similar inversion and thermal belt was detected by a mobile survey described by Schaefer (1957), which also found large contrasts in dewpoint temperature. The inversion magnitude may average about half as large during the more cloudy, showery months of May and June (Hayes 1941). Average July-August temperatures at headquarters were very similar to those at the half-cut site in table 8. The clearcut, halfcut, and full-timber sites show notable differences in diurnal temperature range-differences amounting to as much as 9° F (5° C)—but have a close similarity in monthly mean temperature.

Jemison (1934) presents maximum temperatures at these three sites during July-August 1933, showing differences similar to those in table 8. He also reveals large differences in soil temperature, duff temperature, relative

Table 8.—Comparison of average temperatures, °F, in PriestRiver Experimental Forest during study by Hayes(1941); data for July and August combined, 1935-38

Station, elevation (ft)	Minimum, overnight	Maximum, daytime	Mean
Lookout, 5,580	51.4	69.1	60.3
5,500, N aspect	51.7	69.3	60.5
5,500, S	51.2	68.1	59.7
3,800, N	55.4	78.4	66.9
3,800, S	56.6	77.2	66.9
2,700, N	49.7	81.2	65.5
2,700, S	52.6	81.6	67.1
Control, 2,380	44.5	80.9	62.7
Clearcut, 2,300	41.9	83.1	62.5
Half-cut, 2,300	44.3	80.5	62.4
Full-timber, 2,300	45.7	78.4	62.1

humidity, fuel moisture, wind, and evaporation. Afternoon relative humidity in the clearcut averaged 9 percent lower than in full timber; 2 percent lower than in the half-cut area. A summary of measurements nearby at "open, one-third cover, and uncut" locations in July-August 1919 is given by Larsen (1922b; 1924).

A contrast between the original control station and two nearby, lower-slope stations—at about 2,500 ft (762 m) elevation—is shown by Larsen (1940); data covered the years 1912-16. Maximum temperatures during the May-September period averaged 4.5° F (2.5° C) higher on a southwest slope than on a northeast slope; afternoon relative humidity, 7 percent lower. Overall, during the year, minimum temperatures on these slopes averaged 4° or 5° F (2° to 3° C) higher than on the flat.

Diurnal Variation of Temperature and Humidity.—The average daily course of temperature during July-August at low and high elevations is depicted in figure 16; relative humidity, in figure 17. As noted in the legends, the curves are based on available recording charts covering only a few years; they do, however, give averages compatible with long-term afternoon and early morning data. The contrast seen between locations illustrates earlier comments about diurnal range, nighttime inversion effects, and the dependence of relative humidity on temperature. The curves show the warmest, driest time of day is usually between 2 and 4 p.m. P.s.t. The fireweather observation time of 3 p.m., used prior to 1974,



Figure 16.—Average diurnal course of temperature, July-August, Priest River Experimental Forest. Curve for control station is based on averages from recording charts at clearcut site, adjusted to smaller diurnal range. Curve for 5,500 ft uses several years of charts from Looking Glass (now Gisborne) Lookout and 1937-38 charts from northaspect and south-aspect stations.





thus tended to represent the afternoon extreme conditions. At the observation time now in use throughout the Northern Rockies, 12 noon P.s.t. (1 p.m. m.s.t.), it can be seen that temperatures in the Priest River area may average 2° or 3° F (1.5° C) lower than previously; relative humidity, perhaps 5 percent higher.

Comparison with Priest Lake Fire-Weather Data.— Because fire-weather observations are no longer taken at Priest River, a comparison of past data may aid in making estimates from the continuing observations at Priest Lake Ranger Station. This station has been at its present site since 1964. (Earlier data were observed 4 mi [6 km] further north.) Table 9 shows average differences in observed values during 1964–73; also the differences prior to 1964 to indicate effects of the Priest Lake station change. Overall, during June through September, the afternoon temperature at Priest Lake averages 1° F lower than at the Priest River clearcut site. The relative humidity averages practically the same—within ± 1 percent—at the two stations in June, July, and August, but 3 percent higher at Priest Lake in September; humidity at the earlier Priest Lake station averaged about 5 percent higher in July-August. Table 9 also indicates higher windspeeds at Priest Lake, which can be expected from its more open station location (fig. 5C).

Wind

Average windspeeds observed in the Priest Rivernorthern Idaho area are summarized in figure 18. Comparability among the available stations is affected by differences in period of record and anemometer heightthe present standard (Fischer and Hardy 1976) is 20 ft (6 m) above open, level ground or nearby treetops. Nevertheless, figure 18 shows some distinct features. The graph for Mullan Pass indicates that on exposed high terrain, windspeeds may average highest in winter; lowest, in July and August. This is the tendency of the free-atmosphere wind, above the mountainous topography and its local effects, as indicated on normal upper-air maps near 10,000 ft (3 000 m). In contrast, in the sheltered valley area at headquarters, 24-hour average speeds at 8 ft (2.4 m) above the ground are very light throughout the year, with the least wind in autumn and winter.

Prevailing (most frequent) wind direction was from the southwest or south during most of the year at Mullan Pass; northwest in summer. At the control station, the prevailing direction during daylight hours is southwesterly year-round. In comparison, average wind in the free air near 10,000 ft (3 000 m) is from the west or west-northwest in winter, west-southwest in summer.

WIND DURING FIRE SEASON

In the Priest River area, figure 18 indicates that summer afternoon windspeeds on the mountaintops average 8 or 9 mi/h (13 to 14 km/h); the same average applies for a 24-hour period. In the valley, afternoon speeds during May through August average near 3.5 mi/h (6 km/h) in the clearcut; 6 mi/h (10 km/h) at 150 ft (45 m) above ground and well above surrounding treetops. These valley averages decrease in September and October. The speeds at 150 ft are similar to those observed at the Priest Lake Ranger Station airstrip. Combined frequencies of afternoon speeds and directions are presented in

Table 9.—Differences in average temperature, relative humidity, and windspeed at Priest Lake Ranger Station (PL) and Priest River Experimental Forest, clearcut site (PR)

	Differ 195	rence, PL minus Pl 1-63, in parenthese	R, during 1964-73 (and es, at previous PL loca	during tion)
	Tempera	ture, °F	Relative Humidity, percent	Wind, mi/h
Month	At 3 p.m.	Minimum	at 3 p.m.	at 3 p.m.
June	-0.7	-2.8	+ 0.7	+ 2.7
July	-0.7 (-1.0)	-2.4 (0.0)	-0.7 (+4.8)	+ 3.2 (+ 2.3)
August	- 1.2 (- 1.1)	-2.1 (-0.1)	-0.1 (+5.6)	+ 3.2 (+ 2.2)
September	- 1.6	-2.2	+ 3.2	+ 2.3





table 33 (appendix); the directions, at both valley and lookout locations, are predominantly from the southwest. Frequencies of windspeeds may also be obtained from table 30 (appendix).

As indicated in figure 19, winds in the valley area typically decrease in late afternoon and evening. Atop the 150-ft (45-m) tower, average speeds were down to 3 mi/h (5 km/h) from about 10 p.m. to 6 a.m. during July-August. At Gisborne Lookout, at over 50 ft (15 m) above ground, chart recordings available for two summers often showed a wind increase during the evening, giving highest average speeds-10 mi/h (16 km/h)-at around midnight; the wind reached a minimum at around 10 a.m. At this time, the speed was nearly the same as in the valley above the forest canopy. Nighttime wind increases have been characterized for mountaintop locations (Baughman 1981). Though such increases do not show up everywhere (Court 1978), they have previously been noted in averages obtained at two lookouts in southern Idaho (Hanna 1933).

Nighttime wind directions do not appear to change much on the mountaintops; 8 a.m. winds at Gisborne during July-August 1933-40 were from a southerly quadrant (S, SW, or SE) on 76 percent of the days. At the headquarters location, prevailing 8 a.m. wind direction during 1931-44 was from the northwest, suggesting



TIME, P.s.t.

Figure 19.—Average diurnal course of windspeed during July-August, Priest River Experimental Forest; atop 150-ft tower near headquarters (based on years 1938-40), and at Gisborne Lookout (based on 1942 and 1944). Heavy dots denote average 8 a.m. and 5 p.m. speeds at 150 ft (based on 1931-44, including data from former exposure on towering treetop). Open circles denote average 8 a.m. speeds (during 1933-47) and 3 to 5 p.m. speeds (during 1933-60) at Lookout.

nighttime air drainage down the Priest River Valley. Even so, at least at this daylight hour, this wind direction occurred on only 45 percent of the July-August days; south or southwest, on 32 percent. The prevalence of southwest and south winds in the afternoon may be enhanced by a daytime upvalley breeze (Schroeder and Buck 1970).

The mountaintop windspeed pattern in figure 19 differs from that shown by Hayes (1941) for a median day in August, 1936-38. His diagrams, using measurements 7.5 ft (2.3 m) above ground, portray an afternoon maximum at all elevations on slopes up to 5,500 ft (1 675 m). This maximum is greater on south slopes than on north slopes, possibly as a result of greater upslope breeze and also greater exposure to the larger-scale wind. The maximum speed shown at 5,500 ft was 6 mi/h (10 km/h); nighttime speeds were down to 3 or 4 mi/h in contrast with speeds of 10 mi/h (16 km/h) in figure 19. Differences in anemometer height could possibly explain the difference in afternoon speeds (Ayer 1960).

An examination by decades reveals a peculiar decrease in windspeeds observed at Gisborne Lookout. Table 28 (appendix) for this station is thus based only on the years 1951-60, rather than 1951-70. The afternoon speeds averaged 10.0 mi/h (16 km/h) in July-August 1933-40; 9.0 mi/h in 1941-50; 8.5 mi/h in 1951-60; 6.1 mi/h in 1961-70. The most recent decrease seems too large to be explained by natural variation. The anemometer has remained exposed atop the lookout (fig. 6A and communication from Calvin L. Carpenter).

A change in instrument (from 4-cup anemometer to a more accurate 3-cup type) may account for some of the decrease in earlier years.

Extreme July and August windspeeds shown by Hanna (1939) reached 49 mi/h (79 km/h) at Gisborne Lookout; this was the maximum 5-minute average recorded at any time of day during an 8-year period in the 1930's. The individual monthly extreme values averaged 32 mi/h (52 km/h). Near headquarters at 150 feet (45 m) above ground, the corresponding values recorded during a 5-year period were 29 mi/h and 23 mi/h (47 km/h and 37 km/h).

Local Site Effects.—The reduction of windspeed within a dense timber stand is shown by Gisborne (1941). Measurements were made near headquarters on the 150-ft (45-m) tower, which was constructed in the 1930's (Fitzgerald 1958) (fig. 20). Wind at 2 ft (0.6 m) and 49 ft (15 m) heights, under the canopy, averaged only 1 or 2 mi/h on the windiest days. Speeds on these days were near 15 mi/h (24 km/h) atop the tower, which was about 50 ft (15 m) above the surrounding trees at that time.

Differences in windspeed related to local exposure or aspect are shown by Larsen (1940), using 24-hour data recorded 9 ft (2.7 m) above ground. Wind during the period May-September averaged 2.9 mi/h (4.7 km/h) on a southwest slope near headquarters; 0.9 mi/h (1.4 km/h) on a northeast slope; 1.7 mi/h (2.7 km/h) on the flat.



Figure 20.—The 150-ft meteorological tower within timber stand near headquarters, Priest River Experimental Forest, as it appeared in 1982.

Cloudiness; Sunshine; Solar Radiation

The period late autumn through early winter is the cloudiest time of year; summer, the clearest. The monthly average numbers of days characterized as clear, partly cloudy, and cloudy at Priest River are listed in table 1. Such observations were recorded and published until 1948. The three categories are based on cloud cover, sunrise to sunset, averaging 0 to 3 tenths, 4 to 7 tenths, and 8 to 10 tenths, respectively. The average numbers of clear days range from 5 each in November, December, and January to 19 in July and August; the numbers of cloudy days, from 4 in July to 22 in December. More cloudy days and fewer clear days are noted at the nearest airport stations, which record such days on the basis of hourly observations. For example, Kalispell, Mont., Lewiston, Idaho, and Spokane, Wash.-drier locations than Priest River-all have averages of only 2 or 3 clear days in December and January; 25 or 26 cloudy days in December. Part of the difference may lie in classifiving days with high, thin (cirrus-type) clouds through which the sun can shine.

Actual sunshine information for this area is lacking. A solar-radiation recorder has been in operation at the control station for many years, but data tabulations from the charts are not available. Estimated values are thus presented, based on adjacent station data; also on maps from Environmental Science Services Administration (1968). These maps can, of course, give only an approximation in mountainous areas.

The estimated monthly percentages of maximum possible sunshine are shown in figure 21. These range from about 20 percent in December to nearly 80 percent in July. For a location with level horizons and no shading by trees, the percentages would translate into totals of about 50 hours of sunshine during December and 375 hours during July; about 2,500 hours for the entire year.

The incoming solar radiation—the solar energy received with sunshine and also through cloud cover—is estimated in figure 22. The values refer to radiation as received on an unobstructed horizontal surface at lower elevations. Values include the direct-beam radiation and the diffuse, or scattered, radiation (Reifsnyder and Lull 1965, Schroeder and Buck 1970). The average monthly totals (curve "a") range from near 2,500 langleys (gm-cal/cm²) in December to 19,000 langleys in July. The annual aggregate is about 125,000 langleys. Curve "b" indicates the radiation that may be received on the clearest days, free of haze. For conversion to units of Watt h/m², the numbers of langleys are multiplied by 0.0861.

Within the Experimental Forest, differences from the above values can be expected according to slope aspect and angle; also due to local surroundings that block or reflect sunshine. Generally more radiation should be received on the mountaintops than in the valley bottom (Geiger 1965). The elevational difference in radiation loss, by absorption in the atmosphere above, is an important factor.

The effects of slope are greater in winter than in summer. During December and January, a south-facing 30° (58 percent) slope may receive nearly twice as much total





Figure 21.—Monthly average percentage of maximum possible sunshine duration, estimated for Priest River Experimental Forest.

Figure 22.—Annual regime of solar radiation (direct and diffuse) estimated for Priest River Experimental Forest, lower-elevation location; langleys (gm·cal/cm²) per day received on unobstructed horizontal surface. Vertical marks represent midmonth.

radiation (direct and diffuse) as a horizontal surface. A north-facing 30° slope may receive one-half as much radiation as the horizontal and all of this will be diffuse. These estimates utilize direct radiation data obtained from Buffo and others (1972). During July, the 30° south slope should receive about the same total radiation as the horizontal; the north slope, perhaps 80 percent as much.

COMPARISON WITH SURROUNDING AREA

Although this report has focused on the Priest River Experimental Forest, the climatic description may apply also to a larger area of the Idaho panhandle, where the forests are similar. The panhandle area lies within a broadly similar climatic region, though horizontal gradients and local, topographic variations do occur. This final section examines how closely some climatic statistics at Priest River compare with those at other available stations. Year-round data are based on a 30-year normal period and are limited to valley (or canyon) locations.

Temperature, Annual Regime

Table 10 lists the monthly and annual mean temperatures at the valley locations. These means, which average the daily maximum and minimum values, offer a comparison that tends to reduce the influences of local exposure and related differences in diurnal temperature range; such differences have already been shown between sites at Priest River. Stations have been grouped into two forest areas in figure 23. Panel A indicates that the monthly mean temperatures at the control station are generally 1.0° to 1.5° F (about 0.7° C) lower than those based on six other stations in the Kaniksu vicinity. Most of this difference could be attributed to the higher valley floor at Priest River, 345 ft (105 m) above the average elevation for the six stations. The elevational effect is countered very little by effect of latitude; the average location of the six stations is at a point just 14 miles (23 km) northeast of Priest River.

Noticeably larger temperature differences are seen in a comparison with four stations in the Coeur d'Alene-St. Joe vicinity; the overall elevation is similar to that at the control station. In this case, the geographic location,

Table 10.—Monthly and annual mean temperatures at Priest River Experimental Forest control station and at adjacent valley or canyon stations in Idaho panhandle, except as noted; based on 30-year normal period, 1941-70 (EF denotes Experimental Forest and RS denotes Ranger Station)

							Mea	n Tempe	ratures					
Statio elevatio	on, n (ft)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
								°F						
Priest River	EF													
	2,380	23.7	29.3	34.1	43.2	52.1	58.3	64.3	62.8	55.1	44.5	33.1	27.3	44.0
Avery RS (fo	ormer													
loc.)	2,492	27.5	32.9	27.3	45.9	54.6	60.9	68.0	67.0	59.3	48.4	36.0	29.9	47.3
Bonners Fe	rry,													
1 SW	1,850	25.0	31.1	36.7	46.4	54.7	60.8	67.0	65.3	57.1	45.7	34.4	28.7	46.1
Coeur d'Ale	ene													
RS	2,158	27.4	33.0	37.3	46.2	55.0	61.5	69.1	68.1	59.9	48.8	37.5	31.4	47.9
Heron 2 NW	V,													
Mont.	2,240	24.3	29.8	34.0	43.7	51.9	57.9	63.6	61.9	54.5	44.5	34.0	28.0	44.0
Metaline Fa	alls,													
Wash. ¹	2,107	24.2	30.4	36.1	45.6	54.3	60.4	66.7	65.1	57.9	46.7	33.8	27.8	45.8
Newport, W	ash.													
	2,135	24.3	30.6	35.8	44.7	53.0	59.4	65.6	63.8	56.2	45.6	34.3	28.0	45.1
Porthill														
	1,775	23.8	29.5	35.3	45.8	54.5	60.5	66.6	64.7	56.3	45.1	34.1	27. 9	45.3
Saint Marie	s													
	2,145	27.5	33.7	37.9	46.2	54.4	60.7	67.4	65.9	58.5	49.2	37.0	30.9	47.4
Sandpoint E	xp.													
Sta.	2,100	25.7	31.2	35.7	45.0	53.3	59.4	65.2	63.6	56.0	45.7	35.1	29.1	45.4
Wallace, Wo	oodland													
Park	2,950	25.4	30.6	34.1	42.8	50.9	57.0	64.1	62.7	55.3	46.0	35.2	28.8	44.4

¹Based on 23 or 24 years to 1965.



Figure 23.—Comparison of monthly average temperature and precipitation at Priest River Experimental Forest control station (PREF) and adjacent valley or canyon stations in Kaniksu National Forest vicinity (KAN) and Coeur d'Alene-St. Joe National Forests vicinity (CSJ); based on 30-year normals, 1941-70. Panel A: Temperature differences, PREF minus KAN (six-station average), solid line, and PREF minus CSJ (four-station average), dashed line. Panel B: Precipitation ratios, PREF to KAN and CSJ station averages. averaging 68 miles (110 km) south-southeast of Priest River, could account for about 1.0° to 1.5° F (about 0.7° C) of the difference (based on average gradients in the free atmosphere near 10,000 ft [3 000 m]).

In table 11, the monthly temperatures are expressed relative to the annual mean. Although the actual monthly means differ between locations, the similarity in this table indicates that the shape of the annual curve at Priest River is typical for the Idaho panhandle.

Precipitation, Annual Regime

Table 12 lists the monthly and annual average precipitation. As indicated in figure 23B, amounts at the Priest River control station average somewhat higher than the overall average for valley locations in the Idaho panhandle. Amounts are about the same, however, at nearby Sandpoint and are slightly higher at valley (or canyon) stations to the southeast, near Avery, Heron, and Wallace. Table 13 compares the cumulative monthly precipitation, expressed in percentage of water-year total. The resulting distributions at Priest River and over the larger Kaniksu and Coeur d'Alene-St. Joe areas are nearly identical.

At higher elevations, snow surveys indicate that much of the Idaho panhandle has heavier precipitation than Priest River Experimental Forest. As noted earlier, at approximately 4,800 ft (1 463 m), the April 1 snowpack water content at Schweitzer Bowl averages 31 inches (785 mm), compared with 20 inches (515 mm) at Benton Spring. At the four other snow courses near this elevation, the corresponding water content averages between 30 inches (755 mm) at Copper Ridge, east of Coeur d'Alene, and 49 inches (1 240 mm) at Smith Creek, northwest of Bonners Ferry; the latter amount implies about 80 inches (2 000 mm) annual precipitation. Table 11.-Monthly mean temperatures, expressed as differences from annual mean temperature, based on 30-year normal period, 1941-70; at Priest River Experimental Forest control station (PREF) and groupings of stations in Kaniksu National Forest vicinity (KAN) and Coeur d'Alene-St. Joe National Forests vicinity (CSJ)

					Diffe	rence fron	n annual	mean				
Station or grouping	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
							F					
PREF	- 20.3	- 14.7	-9.9	-0.8	+8.1	+14.3	+20.3	+ 18.8	+ 11.1	+0.5	- 10.9	- 16.7
KAN ¹	- 20.7	- 14.9	-9.7	1	+8.3	+ 14.4	+ 20.5	+ 18.8	+ 11.0	+.3	-11.0	- 17.0
CSF ²	- 19.8	- 14.2	- 10.1	- 1.5	+ 7.0	+ 13.3	+ 20.4	+ 19.2	+ 11.5	+ 1.4	- 10.4	- 16.5

¹Average from six stations: Bonners Ferry, Heron, Metaline Falls, Newport, Porthill, and Sandpoint. ²Average from four stations: Avery, Coeur d'Alene, Saint Maries, and Wallace (Woodland Park).

Table 12.—Average monthly precipitation at Priest River Experimental Forest control station and at adjacent valley or canyon stations in Idaho panhandle, except as noted; based on 30-year normal period, 1941-70. (EF denotes Experimental Forest and RS denotes Ranger Station)

						Aver	age preci	ipitation					
Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	•••••						Inches	S					
Priest River EF	4.39	3.08	2.83	2.08	2.54	2.71	0.94	1.16	1.66	3.22	4.17	4.52	33.30
Avery RS (former location)	4.29	3.17	2.91	2.59	2.60	2.72	1.08	1.28	1.90	3.18	4.07	4.07	33.86
Bonners Ferry 1 SW	3.40	2.13	1.72	1.26	1.67	1.85	.80	1.00	1.50	2.39	3.43	3.39	24.54
Coeur d'Alene RS	3.64	2.42	2.13	1.67	2.15	2.03	.67	.97	1.26	2.38	3.27	3.44	26.03
Heron 2 NW, Mont.	4.63	3.47	2.84	2.11	2.48	2.89	.81	1.39	2.07	3.15	4.39	4.47	34.70
Metaline Falls, Wash. ¹	3.14	2.28	1.97	1.70	2.43	2.84	1.19	1.39	1.53	2.73	3.20	3.49	27.89
Newport, Wash.	3.75	2.61	2.36	1.88	2.19	2.01	.75	1.01	1.53	2.77	3.70	3.74	28.30
Porthill	2.40	1.57	1.44	1.20	1.81	2.11	.82	1.22	1.44	1.91	2.50	2.45	20.87
Saint Maries	4.20	2.97	2.68	2.13	2.23	2.31	.71	1.01	1.47	2.61	3.74	3.92	29.98
Sandpoint Exp. Sta.	4.52	3.23	2.74	2.08	2.36	2.44	.73	1.17	1.83	3.32	4.27	4.52	33.21
Wallace, Woodland Park	4.75	3.44	3.20	2.64	2.58	2.83	1.07	1.23	2.12	3.62	4.60	4.84	36.92

¹Based on 23 or 24 years to 1965, plus 5 or 6 years at Boundary Dam (located 9 miles to north).

Table 13.—Average cumulative water-year precipitation at end of each month, in percentage of annual total, based on 30-year normal period, 1941-70; at Priest River Experimental Forest control station (PREF) and groupings of stations as in table 11

				Cumulai	tive water	r∙year pre	cipitation	, at end o	of month			_
Station or grouping	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.
						Percent	of total					
PREF	9.7	22.2	35.8	48.9	58.2	66.7	72.9	80.6	88.7	91.5	95.0	100.0
KAN ¹	9.6	22.2	35.3	48.1	57.2	64.9	70.9	78.6	86.9	89.9	94.2	100.0
CSF ²	9.3	21.7	34.5	47.8	57.2	65.9	73.0	80.5	88.3	91.1	94.7	100.0

¹Average from six stations: Bonners Ferry, Heron, Metaline Falls, Newport, Porthill, and Sandpoint. ²Average from four stations: Avery, Coeur d'Alene, Saint Maries, and Wallace (Woodland Park).

Afternoon Temperature, Relative Humidity, and Wind During Fire Season

July-August average afternoon temperature and relative humidity at fire-weather stations are mapped in figure 24; wind, in figure 25. The data, for 1500 P.s.t., are based on only a 10-year period, 1961–70, to maximize the number of stations having comparable years of record. The stations are limited to the Kaniksu and Coeur d'Alene National Forests and vicinity. (Data shown for Spokane, Wash., are not included in the calculations.) The 2-month average tends to compensate for unrepresentative averages of the individual months. For example, August 1961–70 afternoons, overall, were warmer than normal in the Idaho panhandle (example, table 5); July 1961–70, near or slightly cooler than normal. Adjustments were made for incomplete records at



Figure 24.—Summer afternoon average temperature, °F (upper number) and relative humidity, percent, at stations in Idaho panhandle and adjacent Washington; at 1500 P.s.t., average for July and August combined, based on years 1961-70. Small numbers below station names are elevations, ft m.s.l. Averages for lookouts (locations shown by triangles) have been adjusted for missing data (see text). Averages at Priest Lake (from 1964-73 data at present station) and Sandpoint (from 1963-70 data) have also been adjusted. lookouts, which commonly are vacant in early July and late August—particularly with cool, moist conditions.

Calculations show that the temperature (or "dry bulb") at Priest River, clearcut site, averages 0.9° F (0.5° C) lower than at the eight other valley stations (which average slightly lower in elevation); relative humidity, 0.5 percent higher. Including the 11 lookouts, the overall lapse rate of afternoon dry bulb between stations is 4.1° F per 1,000 ft (7.5° C per 1 000 m)—close to the rate found between the Priest River clearcut and Gisborne Lookout. Little relationship is found between average relative humidity and elevation at the valley stations (which lie within a narrow elevational range), but the higher averages at adjacent lookouts give an overall increase of 3.5 percent per 1,000 ft (305 m)—near the rate of 3.8 percent per 1,000 ft found at Priest River.

As within the Experimental Forest, summer afternoon winds are from a prevailing southwesterly direction over most of the Idaho panhandle (and adjacent eastern Washington) (fig. 25). Some exceptions are seen, related to local topography (such as intervening terrain and valley or canyon orientation). As shown earlier in the



Figure 25.—Summer afternoon average windspeed, mi/h, and prevailing direction at stations as in figure 24; based on available observations at 1500 P.s.t. during July-August, 1961-70. Directions are shown by arrows (pointing downwind). comparison with Priest Lake, windspeeds in the Priest River valley area are relatively low. Speeds at the other valley stations averaged generally near 5.0 mi/h (8.0 km/h), one-third higher than at Priest River. Windspeeds at the 10 surrounding lookouts, at elevations averaging 5,615 ft (1 712 m), had an overall average of 6.5 mi/h (10.5 km/h)—just 0.5 mi/h higher than the Gisborne Lookout average for 1961-70, which earlier was found to be rather low when compared with speeds in previous decades. The lookout windspeeds, while higher than at adjacent valley locations, show a weak correlation with elevation (r was 0.36). The highest⁻ lookout, on Roman Nose Mountain, did have the highest average speed, 10 mi/h (16 km/h).

In summary, the above comparisons indicate that the climatic data for Priest River Experimental Forest closely follow the pattern found over most of the Idaho panhandle. Numerical values are also similar in many cases, particularly when adjustments are made for elevation and latitude differences. Similar local topographic effects may be expected. The Priest River valley area, representing a location with well-timbered surroundings, does have lower windspeeds than surrounding fireweather stations.

CONCLUDING REMARKS

The Priest River Experimental Forest contains within its 10-mi² (25-km²) area the climatic characteristics identified with mountainous areas in general; these are superimposed upon the characteristics related to its geographic location. Resulting statistics have been presented. In a comparison with adjacent stations, these statistics were found to follow the seasonal pattern occurring over the larger Idaho panhandle area—numerical values were also similar in many cases.

Priest River stands out in its history of weather and climatological observations. These have been taken at permanent stations and also at a variety of sites as part of various studies. The aggregate of measurements represents the efforts of many persons throughout the years. Local effects of elevation, slope, and timber cover are reflected in the data thus obtained. Our climatic description has borrowed upon much of this resource; there were additional data not as readily available in publications or not as yet tabulated into usable form. The findings for Priest River, representing much of adjacent northern Idaho, add to the store of knowledge that researchers and managers may draw upon for inferences in forested mountain areas elsewhere.

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APPENDIX: Detailed Listings and Summaries of Data—Tables 14 through 33

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 Table 14.—Monthly and annual precipitation, 1911-82, at Priest River Experimental Forest control station

							Precipitat	tion					
Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
		····-					Inchas						
1011					(Incnes	5				4.07	
1911	5 14	3 30	1 27	2 /6	2.68	2.14	2.58	.2 69	1.51	3 35	5.83	4.37	27.00
1912	3.77	57	2 17	1.33	2.00	3.31	1 22	2.00	2 10	1 76	7.03	4.00	27.00
1914	5.95	3.14	2.02	2.58	2.36	2.94	1.83	.17	3.70	3.85	4.57	1.20	34.31
1915	1.10	2.36	1.55	2.34	3.65	1.53	3.05	.28	1.72	2.24	5.12	5.57	30.51
1916	4.51	2.54	5.93	2.00	2.59	3.23	1.66	1.22	1.86	1.15	3.30	2.82	32.81
1917	2.86	2.38	3.29	3.41	3.00	1.76	.04	.06	.66	.63	1.76	7.63	27.48
1918	3.16	4.18	2.89	.37	1.24	.84	.60	4.22	.61	4.36	3.80	2.86	29.13
1919	5.75	5.35	4.31	2.28	2.23	.20	.04	1.52	1.62	1.44	2.68	2.30	29.72
1920	1.80	2.83	1.47	2.89	2.99	2.07	1.07	.82	3.99	1.98	4.60	4.62	31.24
1921	3.71	2.59	2.84	2.87	.91	.87	.14	.48	1.03	2.54	3.72	2.23	23.93
1922	2.00	1.66	2.35	3.59	1.07	.14	.20	.68	2.04	3.85	.59	7.54	25.71
1923	5.96	.90	1.55	1.07	2.26	2.06	.68	1.12	.63	1.77	3.21	4.45	25.66
1924	4.08	3.55	.99	.30	.82	1.50	.33	1.41	1.19	2.96	4.32	2.78	24.23
1925	5.63	4.81	1.91	1.24	2.59	1.22	.07	.39	1.01	.73	2.43	4.55	26.58
1926	3.25	4.19	.25	.70	2.06	.85	.16	4.24	2.40	2.44	4.00	2.99	27.53
1927	4.60	5.23	1.00	1.29	2.71	3.23	./0	1.52	7.50	3.62	0.29	2.93	41.33
1920	1.90	.74	4.00	2.00	.01	2.76	1.00	.00	.05	1 12	2.50	3.70	16.02
1930	1.39	3.73	1.14	2.15	2.18	1.63	.05	1.78	.61	2.29	2.20	1.42	20.58
1931	4.01	2.88	3.99	1.32	1.10	1.55	.49	11	2.10	3.00	4.37	6.82 5.75	31.63
1932	4.07	2.03	3.64	5.05	1 /0	1 07	.40	.41	2.28	2.75	1.05	11 22	33.20
1934	6.67	1.05	2 74	1.78	1.45	75	.08	.29	2.20	4 95	5.85	5.63	31.82
1935	6.70	1.15	2.59	.64	.72	1.28	1.36	.69	.15	2.13	2.55	3.08	23.04
1936	4.84	2.30	1.75	.98	1.36	2.37	.59	.73	2.84	.59	.40	4.21	22.96
1937	2.93	4.78	1.29	4.42	.37	4.35	2.65	.83	1.73	2.68	7.69	6.40	40.12
1938	4.44	3.26	3.83	1.42	.91	1.41	.68	.66	.54	2.81	2.23	3.72	25.91
1939	3.97	2.84	1.79	.61	.82	3.03	.33	.07	.69	2.48	1.41	6.15	24.19
1940	2.18	5.96	3.65	2.65	1.30	.63	.55	.25	2.91	4.23	3.37	4.17	31.85
1941	3.25	1.76	1.44	.48	6.24	2.73	.72	1.94	4.69	2.31	3.66	6.66	35.88
1942	1.54	1.93	1.80	1.95	4.69	4.06	2.60	.30	.71	2.96	6.02	4.29	32.85
1943	3.14	2.09	3.55	2.92	3.15	3.24	.65	1.19	.03	5.25	1.37	2.96	29.54
1944	2.48	1.67	.96	2.55	2.42	3.16	.40	.69	1.86	1.49	2.97	2.39	23.04
1945	3.88	2.71	5.99	1.59	3.14	1.83	.62	.36	3.15	3.20	4.88	3.70	35.05
1946	4.20	3.57	3.50	3.03	1.11	4.19	.42	.41	2.24	2.84	5.53	3.83	34.87
1947	3.64	1.75	2.31	1.84	.94	4.24	.47	2.11	2.80	8.31	2.14	2.84	33.39
1948	3.09	4.23	1.56	4.51	5.18	4.92	3.43	.91	1.06	1.41	5.03	4.10	39.43
1949	.70 5.58	6.53 3.82	3.65	1.22	.92	.85 3.54	.40 1.26	.62 1.39	.76	3.22 8.12	4.79 3.62	5.01 4.73	30.40 40.76
1951	5.42	3.51	3.28	.56	1.82	2.31	.91	.62	1.78	8.19	3.89	6.62	38.91
1952	0.32	2.14	2.00	2.47	1.04	4.10	.40	2.22	.40	.47	2.10	4.04	23.03
1953	838	3 20	192	2.47	2.33	3.31	1 49	2.42	.30	.09	3.31	3.61	34.13
1955	2.46	3.33	2.37	4.53	1.60	2.93	2.72	.01	3.19	5.46	5.75	7.46	41.81
1956	4.99	3.92	3.16	.47	1.27	2.21	2.06	1.57	.66	3.68	.66	4.31	28.96
1957	2.31	5.20	2.53	1.40	4.83	2.30	.19	1.23	.64	3.29	2.40	5.37	31.69
1958	4.71	5.57	2.29	3.82	.61	4.13	.70	.90	1.36	1.95	5.47	4.10	35.61
1959	7.57	2.57	2.18	1.99	3.98	1.93	.21	1.16	4.04	2.77	7.79	3.26	39.45
1960	3.11	2.33	3.84	2.18	4.10	.97	Т	1.81	1.19	2.93	8.58	1.74	32.78
1961	3.58	5.96	3.04	2.23	4.52	1.53	.90	.84	.79	4.05	2.57	6.52	36.53
1962	2.42	1.85	3.36	1.82	4.67	.60	.44	.99	2.92	3.04	6.71	3.89	32.71
1963	1.40	3.43	3.25	3.02	2.03	2.93	1.20	.43	1.26	2.45	6.11	2.71	30.22
1964	5.12	.78	3.86	1.25	1.37	2.16	1.50	2.72	2.20	.50	5.49	6.95	33.90
1965	3.34	3.43	.36	2.87	1.64	1.35	.72	2.79	1.00	.38	4.07	3.76	25.71
1966	5.19	1.18	4.80	.54	1.46	4.09	1.15	.92	.31	1.61	6.65	6.51	34.41
1967	7.93	1.40	4.12	2.12	1.48	2.54	.26	.05	.35	4.79	2.46	3.12	30.62
1968	4.88	4.24	2.41	1.07	1.68	2.17	.84	3.27	2.39	5.09	4.46	5.84	38.34
1969	6.78 6.87	2.06	1.16	3.39	2.89	2.24	.80	.12	2.98	1.55 3.31	1.94	4.15 6.07	29.94 32.29
		2								3.01			22.20
1971	4.43	2.54	3.37	2.58	1.78	3.13	.87	1.84	2.07	1.89	2.98	5.25	32.73
1972	4.23	1.09	2.09	2.43	2 30	5.23	1.34 T	1.42	2.61	.78	2.57	5.24 7.77	31.10
1974	8.26	3.96	3.58	1 98	3 49	.01	2 19	.47	0,9	18	7.81	5.02	39.04
1975	3,55	4.32	2.61	2.14	1.62	2.31	2.13	2.83	.33	3.68	2.98	3.76	32.26
1976	2.80	4.50	1.75	2.52	1.98	1.28	.90	3.66	.12	.89	1.36	1.85	23.61
1977	1.24	1.11	2.28	.32	2.42	1.02	.50	2.20	2.21	1.66	4.02	7.27	26.25
1978	3.62	2.15	1.45	2.53	4.73	1.22	3.41	2.98	1.73	.25	2.48	1.46	28.01
1979	1.10	6.45	1.46	2.05	2.44	.72	1.36	.84	.98	2.81	1.46	5.64	27.31
1980	3.92	3.17	2.65	2.53	2.77	1.72	1.56	1.72	2.32	1.03	4.91	6.78	35.08
1981	1.09	4.25	1.66	3.20	3.14	4.32	1.96	.04	1.59	3.02	2.96	4.30	31.53
1982	4.26	6.04	4.08	4.15	1.60	2.15	1.94	.64	2.49	2.06	4.05	5.24	38.70
50-year	average,	1931-80	2.75	2.01	2.29	2.21	00	1 15	1.50	2.82	4.02	1 96	30 17
	7.20	0.10	2.15	2.01	2.20	2.01	.55	1.10	1.55	2.02	4.05	+.00	52.17

 ^{1}T = trace, an amount too small to measure.

 Table 15.— Precipitation statistics for Priest River Experimental Forest control station; amounts in inches. Mean totals are based on 50 years, 1931-80. Extremes are for 1912-82; listed year (first two digits omitted) is the most recent in cases of more than one occurrence. Number .00 denotes either zero or trace (less than 0.005 inch)

PRECIPITATION

BY 10 (OR 11)-DAY AND MONTHLY PERIODS

STATION NUMBER 107386 PRIEST RIVER EXP FOR (CONTROL STN)

YPS 1931-1980 EXCEPT AS NOTED

10-DAY AND MONTHLY TOTALS

MAXIMUM DAILY TOTALS

				1	912	2-1982		I	1912-1982			
PERIOD BEGINS	MEAN Total	STD Dev	MEDIAN	HIGHE TOT,	IST Yr	LOWE	ST	I I T	EXTREME, YR	AVG MAX	STD DEV	MEDIAN
JAN 1	1.36	.99	1.23	3.81	23	.00	20	I	1.23 59	.54	.34	.54
JAIL 11	1.56	1.22	1.36	6.12	74	.00	48	I	1.74 67	.67	.48	•61
JAN 21	1.36	1.04	1.08	3.73	70	•00	80	1	1.60 59	.57	.42	.51
FEB 1	1.14	.77	1.08	3.09	49	.00	54	I	1.53 49	.47	.35	.42
FEB 11	1.01	.89	•85 70	3.38	10	.00	24	1 T	1 57 50	•45 //6	• 5 /	• 3 /
FEB 21	0.95	•07 65	• / U 78	2 • 4 I 7 6 3	57	.00	10	1	1 90 66	е ч о ЦЗ	- J / 	• 37 . 37
MAR 11	0.88	.73	.71	3.18	45	.00	30	Î	1.38 50	.37	.26	.32
MAK 21	0.96	.72	.83	2.73	43	.00	66	Ĩ	.97 67	.40	.25	• 37
APR 1	0.67	.55	.51	2.17	63	.00	77	1	1.17 71	.34	.26	• 34
APR 11	0.70	.72	.44	2.84	37	.00	51	I	1.50 82	.34	.28	•27
APR 21	0.64	• 56	.44	2.13	53	.00	17	l r	1.16 53	• 35 7/1	.29	•28
MAY 11	0.79	.87	• 07	3.98	57	.00	79	T T	1.69 41	.41	.38	• 20
MAY 21	0.74	.70	.49	2.53	25	.00	50	1	2.05 25	.38	.36	.30
JUN 1	0.84	.72	.70	2.79	47	.00	65	Ī	1.51 46	.43	.38	.36
JUN 11	0.81	.70	.80	3.10	37	.00	67	I	1.47 16	.41	.28	•44
JUN 21	0.66	.64	.59	2.74	55	.00	77	1	1.48 55	.36	.32	.27
JUL 1	0.43	•46	.27	1.66	48	.00	73	I	1.09 48	.27	.26	•15
JUL 11	0.36	•52	.12	2.11	15	.00	13	i ı	1.34 37	.21	.26	•10
	6.21	• 2 7	.05	1.44	18	.00	81	Ť	•87 37 .77 19	• 1 3	.18	.04
AUG 11	0.34	.58	.06	2.63	68	.00	81	ī	1.66 18	.20	.20	.04
AUG 21	0.61	.64	.45	2.62	26	.00	74	1	1.24 75	.36	.36	.27
SEP 1	0.51	.63	.24	2.96	27	.00	73	I	1.62 40	.32	.38	.13
SEP 11	0.57	•58	.39	3.44	27	.00	75	I	1.65 27	.32	.33	•26
SEP 21	0.51	.59	. 32	2.16	55	.00	/9 60	1	1.16 62	.28	.29	•19
0CT 11	0.77	.95	• J З	4.78	55 47	.00	81	T	1.45 46	.37	.36	• 20
OCT 21	1.24	1.01	.90	3.82	50	.00	65	ī	1.57 18	.50	.36	.42
NOV 1	1.14	,75	1.05	4.31	12	.00	81	I	1.31 18	.58	.34	.59
NOV 11	1.54	1.28	1.35	5.08	7.3	.00	44	I	2.40 59	.63	.52	• 54
NOV 21	1.35	• 58	1.15	3.67	62	.00	56	I	1.75 80	.60	.42	•50
DEC 11	1.50	.92	1 39	5.21	10	00.	72	1 7	1.64 41	•61 64	- 35 50	• 5 4
DEC 21	1.75	1.02	1.64	3.95	37	00. 80.	30	⊥ T	1.30 74	.65	.31	.63
	J			0000	0,		•••	•				
MONTH												
MAL	4.28	1.94	4.05	8.38	54	.70	49	1	1.74 67	.90	.38	.84
FEB	3.10	1.48	3.03	6.53	49	.57	13	I	1.73 70	.75	.37	.69
MAR	2.75	1.15	2.60	5.99	45	.25	26	1	1.90 66	.62	.29	• 57
APR	2.01	1.08	1.99	4.33	35	• 30	24	1	1.50 82	• 57 45	• 24	•6U 57
JUN	2.31	1.19	2.23	4,92	48	.14	22	T	1.51 46	.67	.33	• 66
JUL	0.99	.85	.71	3.43	48	.00	73	Î	1.34 37	.37	.27	.34
AUG	1.15	.98	.85	4.24	26	.00	69	I	1.66 18	.49	.36	.43
SEP	1.59	1.09	1.55	7.50	27	.03	43	I	1.65 27	.59	.36	.51
OCT	2.82	1.94	2.73	8.31	47	.18	74	I	1.75 51	•76	.39	•67
NOV	4.03	2.23	0.64 4 57	10.46	15	.11	29 1 z	I T	2.40 59	.90	• 37 37	• 86
σει	90e T	1.00) (. _۹ ۲	11.22	55	• 71	10	1	LICI UL	• > 1	• 5 7	• 71
ANNUAL	32.17	4.99	32.50	41.81	55	16.02	29	1	2.40 59			

Table 16.—Frequency distribution of daily precipitation amounts at Priest River Experimental Forest control station; based on years 1931 through 1977

PRECIPITATION - FERCENTAGE FREQUENCY OF DAILY AMOUNTS (INCHES)

- GIVEN TO NEAREST TENTH PERCENT, DECIMAL POINT OMITTED

STATIO	N NUMBER	107386	PRIEST RI	VER EXP	FOR (CON	ITROL ST)						1931-	1977
	TOTAL						0.005.75							
PERIOD	히다			Ļ	AMOUNT EG	UAL TO 9	R GREATE	K THAN						
BEGINS	DAYS	0.01	0.05	0.10	0.20	0,30	0.40	0.50	0.60	0.80	1.00	1,50	2.00	3,00
JAN 1	470	540	426	343	238	164	130	85	64	28	13			
JAN 11	470	562	466	377	247	177	134	102	77	34	30	11		
JAN 21	517	509	398	319	217	157	108	77	56	25	15	2		
FEB 1	470	472	389	328	21 1	132	83	55	34	19	9	2		
FE8 11	470	447	330	253	157	119	87	68	49	17	11	2		
FE8 21	388	446	366	276	198	142	98	64	46	26	13	3		
MAR 1	470	421	343	262	179	123	72	43	21	9	6	2		
MAR 11	470	445	336	266	177	109	/0	36	13	6	4			
MAR 21	517	412	338	2//	1/6	106	/0	č (7 0	21	8				
APR 1	476	572	277	185	126	12	55	30	19	2	2			
APR 11	470	341)	251	196	115	85	55	38 70	26	11	4			
APR 21	470	3/4	240	1/2	140	72	49	38	21	6	4			
	470	360	269	196	152	70	- -	20	10	10	0	2		
MAY 21	617	340	200	1.96	100	71	61	70	3 U 3 X	17	10	2		
	470	394	298	234	164	102	70	43	20	15	10	3		
	470	372	270	232	145	98	70	53	20	10	,	2		
JUN 21	476	323	249	191	115	P1	64	36	21	q	2			
JUL 1	470	221	177	106	64	49	30	19	11	4	2			
JUL 11	470	161	123	89	51	38	19	13	11	2	2			
JUL 21	517	114	85	72	43	23	10	4	4	2	/ -			
AUG 1	470	157	109	72	38	26	11	6	2					
AUG 11	470	140	96	79	49	38	30	19	2					
AUG 21	517	244	176	141	93	64	54	33	23	14	8			
SEP 1	470	217	145	106	12	51	40	28	26	15	9	2		
SEP 11	470	263	204	153	98	68	45	34	26	11	2			
SEP 21	470	272	189	147	91	66	45	30	19	11	2			
UCT 1	470	302	243	202	162	102	72	49	30	19	11	4		
OCT 11	470	511	232	179	128	98	74	50	43	19	6			
OCT 21	517	441	358	294	207	149	99	68	46	25	14			
10V 1	470	455	362	283	185	143	96	77	57	26	13			
NOV 11	470	487	428	370	277	194	151	100	72	45	26	9	2	
NOV 21	470	489	398	332	232	168	115	83	57	34	17	4		
DEC 1	47 ú	555	472	385	257	185	117	65	57	30	19	2		
DEC 11	470	543	457	377	266	202	147	109	74	47	23	9	2	
DEC ST	517	594	497	406	282	201	155	108	12	51	19			
монтн														
JAN	4402	532	426	346	225	159	117	80	56	27	17	3		
FEB	4013	452	366	285	187	129	86	58	4.0	19	11	2		
MAR	4402	416	327	260	169	104	68	35	19	7	3	*		
APR	4260	363	257	188	115	77	49	33	2.0	6	2			
MAY	4402	365	258	197	119	72	40	29	20	11	5	1		
JUN	4260	35,3	266	202	128	83	60	39	27	9	4	*		
JUL	4402	167	118	81	50	35	20	12	9	3	1			
AUG	4402	184	126	93	57	41	31	20	12	7	4	*		
SEP	4260	2.62	185	137	39	62	44	32	24	12	6	1		
OCT	4402	358	280	223	154	109	76	55	35	19	9	1		
Vev	4260	465	385	318	223	162	116	85	60	32	1/	3	*	
DEC	4402	550	454	367	255	185	134	97	66	34	19	2	*	

* LESS THAN 1

fable 17.—Monthly and annu	al snowfall, 1911–82, a	at Priest River	Experimental Forest	control station
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-					5		Snowfa	all					
Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	Annual
							Inchos						
1011.12				M1	м	38.4	20.4	10.6	89	10	0.0		м
12-13				1.0	3.3	27.3	57.8	3.9	11.0	.0	.0		104.3
13-14				.5	15.0	10.0	36.1	17.0	4.2	T2	.0		82.8
14-15				.0	8.7	15.8	14.2	10.9	1.0	7.0	.0	0.0	57.6
15-16				.0 T	31.4	34.8	44.1	14.3	22.6	.0	1	2.0	149.2
17-18				2.8	3.0	31.0	16.2	22.7	3.5	4.0	.0		79.2
18-19				.0	.7	12.5	16.6	31.9	19.0	.0	.0		80.7
19-20				9.5	15.6	3.1	9.2	4.4	6.2	5.1	Т		53.1
1920-21				.0	Т	18.5	27.3	15.2	13.9	1.2	.0		76.1
21-22				.0	19.5	11.9	20.7	15.5	21.2	10.3	.0 T		99.1
22-23				2.0	2.4	50.6 41.6	35.0	14.2	10.3	.5 3	T	т	78.6
24-25				.0	9.8	23.0	40.1	11.0	3.7	.0	.0		87.6
25-26				2.0	1.3	6.2	24.8	13.4	Т	4.0	.0		51.7
26-27			.4	.0	Т	15.8	28.5	20.1	5.6	.0	Т		70.4
27-28				T	18.2	40.5	12.6	3.7	7.0	4.3	.0		86.3
20-29				Ť	1.0 T	20.4	27.3	12.9	./	0.C 0	.0		00.7 41.8
1930-31				65	15.8	12.6	17.5	9.9	3.2	.0	т		66.3
31-32				.3	18.7	48.1	36.6	24.0	9.5	.0	.0		137.2
32-33				2.6	4.4	40.0	40.7	22.5	4.6	8.5	.0		123.3
33-34			Т	5.3	.5	19.5	15.8	3.1	1.7	Т	.0		45.9
34-35			Т	.5	5.4	44.5	46.3	4.3	8.3	Т	Т		109.3
35-30				.5 0	20	13.2	30.9 44 9	19.4 53.3	6.0 4	.0 T	.0		119.7
37-38				.0	4.2	42.2	14.6	32.8	1.9	.0	T		95.7
38-39				.0	8.2	20.3	26.5	23.2	11.8	.5	.0		90.5
39-40				3.0	.0	6.4	11.8	22.7	2.6	Т	.0		46.5
1940-41				Т	14.8	11.9	17.6	3.0	.0	.0	.0		47.3
41-42				.0	26.5	14.5	5.2	7.2	5.2	1	1.0		33.1
42-43				.0 Т	20.5 T	20.0	42.5	8.4	5.2 1.0	0.	3.0		26.4
44-45				.0	10.7	14.1	11.3	4.4	5.5	4.5	.0		50.5
45-46				1.8	14.5	13.3	25.1	21.9	3.5	Т	.0		80.1
46-47			-	.1	24.3	19.2	26.9	1.5	1.5	T	.0		73.5
47-48			1	.0	6.0 12.0	12.7	14.3	23.9	8.4		.0 T		65.3 138.3
49-50				.0	13.9 T	43.3	84.2	19.6	6.8	Ť	.0		153.9
1950-51				.0	21.5	22.5	40.1	12.8	35.2	.0	Т		132.1
51-52			Т	4.0	3.2	56.3	63.4	13.4	10.0 ³	.1	.0		150.4
52-53				.0	Т	33.5	20.8	10.4	.6	1.0	.0		66.3
53-54				.0	3.1	11.9	72.9	10.3	.4	.0	.0		98.6
54-55 55-56				4	30.4	17.9	26.8	31.1	11.3	6.5 1.6	.5		94.1
56-57				1.8	3.6	11.0	36.5	27.6	10.7	.0	.0		91.2
57-58				3.8	5.7	27.7	17.8	1.9	1.8	Т	.0		58.7
58-59				.0	24.2	24.1	24.6	24.7	5.3	.0	.0		102.9
59-60				.0	19.8	10.8	21.9	9.6	13.6	2.2	.0		77.9
1960-61				.0	14.4	12.1	10.3	12.7	6.6	T	.0		56.1
62-63				.0	6.1	45.8	4.6	10.2	10.4 T	Т	.0		25.8
63-64				.0	5.4	21.1	46.3	6.3	23.5	.0	T		102.6
64-65				.0	13.7	55.7	24.7	11.9	.4	.0	.0		106.4
65-66				.0	10.8	36.5	37.2	7.0	10.0	Т	Т		101.5
67-68				T	8.5 12.6	15.3	27.4	9.5	12.0	1.0	.0		73.7
68-69				.0	9.0	39.5	89.0	4.0	.8	1.0	.0		153.3
69-70				.0	3.0	22.6	43.5	3.0	11.0	Т	.0		83.1
1970-71				.0	9.0	43.0	23.5	14.3	11.8	Т	Т		101.6
71-72			1.0	2.0	8.0	54.8	22.6	13.1	2.0	Т	.0		103.5
72-73				1.0 T	5.5	8.3	26.0	6.0	Т	.0	.0		46.8
73-74				0	37.7	23.0	23.5	24.5	5.5 17.7	.0	T		110.6
75-76				2.0	18.1	8.8	25.9	28.8	8.0	1.0	.0		92.6
76-77				.0	1.0	12.0	8.9	4.4	Т	.0	.0		26.3
77-78				.0	9.4	40.4	27.4	12.7	2.0	.0	Т		91.9
78-79				.0	15.8	12.9	16.6	23.4	3.0	.0	.0		71.7
1980.81				.5	0.4	19.3	10.53	9.4	10.0	.0	.0		24.6
81-82				.0	.0	25.4	44.0	3.3 18.8	.0	2.0	.0		86.5
50-year ave	rage			.0	.0	21.0		10.0	.,	2.0	.0		
1931-80			Т	.8	10.2	24.9	29.1	15.8	6.9	.6	.1		88.4

 ^{1}M = missing. ^{2}T = trace, an amount too small to measure. $^{3}Includes$ estimates for days with missing data.

Table 18.—Precipitation (inches) during fire season at additional stations in or near Priest River Experimental Forest; statistics based on indicated years

PRE	CI	ΡΙΤΙ	TIO	N			8Y 1	10	(O F	x 11).	-DAY	AND	MONTHLY	PERIODS
STAT	ION V	IUMBER	100204	PRIE	ST LAP	(E.R	•S•		۲r	KS 19	51 -1	980		
₽ERIOD BEGINS	NO. Yrs	MEAN Total	10-DAY STD DEV	AND MON MEDIAN	THLY T HIGHE TOT,	TOTA IST Yr	LS LOWE TOT	EST MR	I I I	EXTRE	MAXI EME YR	MUM (A) M/	AILY TO /g std AX dev	TALS MEDIAN
JUN 1 JUN 11 JUL 1 JUL 1 JUL 11 JUL 21 AUG 1 AUG 11 SEP 1 SEP 21 SEP 21	17 20 19 30 30 30 30 30 30 28 24 19	.651 .767 .616 .565 .338 .239 .318 .586 .718 .430 .515 .650	.464 .480 .577 .604 .394 .398 .404 .899 .670 .426 .635 .632	.660 .630 .500 .340 .185 .040 .055 .150 .500 .290 .275 .500	1.48 2.00 2.15 1.96 1.33 1.43 1.18 3.51 2.44 1.29 2.71 2.01	67 65 78 75 75 68 50 68 69	.00 .03 .00 .00 .00 .00 .00 .00 .00 .00	65 69 73 73 80 73 73 74 72 76 79		.88 .87 .82 1.28 1.09 .78 .94 1.65 .90 1.24 1.55 .82	71 52 67 56 61 53 60 53 60 68 72	. 31 . 38 . 31 . 32 . 22 . 14 . 21 . 30 . 33 . 28 . 29 . 31	18 .23 39 .22 .3 .26 .25 .32 .26 .27 .48 .28 .7 .44 .5 .27 .44 .28 .35 .27 .44 .28 .29 .34 .28 .28	5.300 5.360 0.300 9.260 5.125 0.035 9.040 5.100 4.270 3.235 7.215 7.280
MONTH									I					
JUN JUL AUG SEP	16 30 30 19	2.011 1.141 1.622 1.508	.798 .862 1.343 .863	2.185 .980 1.420 1.350	3.38 3.45 4.90 3.16	53 78 54 71	.66 .03 .00 .11	74 60 69 7 6	I I I I	.88 1.28 1.65 1.55	71 78 80 68	.53 .48 .53 .51	57 .18 52 .31 54 .41 16 .22	7 .515 4 .430 3 .450 4 .570
ΡŔΕ	CI	ΡΙΤΑ	TIO	Ν			BY 1	LO ((0 F	11)-	DAY	AND	MONTHLY	PERIODS
STAT	ION N	UMBER	100202	GISB	ORNE L	.00K	0U T		YP	RS 195	51-1	9 7 8		
PERIOD BEGINS	NO. YRS	MEAN Total	10-DAY STD DEV	AND MON MEDIAN	THLY T HIGHE TOT,	OTA St Yr	LS LOWE TOT	EST Yr	I I I	EXTRE	1AXI EME YR	MUM C A V M A	G STD	TALS MEDIAN
JUL 1 JUL 11 JUL 21 AUG 1 AUG 11 AUG 21	26 28 28 28 28 28 16	.623 .459 .270 .393 .515 .826	.637 .542 .372 .491 .781 .794	.355 .245 .060 .190 .080 .780	2.22 1.92 1.15 1.87 2.90 2.43	54 75 55 76 68 77	• U 0 • 0 0 • 0 0 • 0 0 • 0 0	73 69 73 78 73 73 70	I I J I I I	1.09 1.03 .87 .70 1.15 1.28	54 75 58 53 78 76	• 33 • 27 • 16 • 22 • 22 • 51	.31 .5 .31 .4 .22 .4 .22 .31 .7 .44	0 .255 2 .175 9 .060 5 .150 0 .070 8 .640
MONTH									I					
JUL Aug		1.328* 1.734*			3.52 5.91	55 76	.00 .00	53 69	I I I	1.09 1.28	54 76	•50 •55	.29 8.41	9 .515 4 .640
PERIGD BEGINS									YI	RS 19	31-1	1978/		
JUL 1 JUL 11 JUL 21 AUG 1 AUG 11 AUG 21	45 47 48 48 48 36	.489 .379 .289 .332 .387 .697	•586 •495 •366 •483 •638 •678	.300 .150 .110 .115 .065 .475	2.22 2.02 1.31 2.04 2.90 2.43	54 75 48 48 #68 77	00 00 00 00 00 00	53 69 73 78 73 70	I I I I I	1.25 1.03 .87 1.47 1.15 1.28	48 75 58 48 78 76			
MONTH														
JULY AIJG		1.157* 1.416*												

* SUM OF MEANS FOR THE THREE 10 (OR 11)-DAY PERIODS # INCLUDES ESTIMATES FOR MISSING DAYS

.

/ INCLUDES DATA FROM FORMER EXPERIMENTAL STATION LOOKOUT FOR 1931 AND 1932

Table 19.—Frequency distribution of daily precipitation amounts at stations as in table 18

PRECIPITATION - PERCENTAGE FREQUENCY OF DAILY AMOUNTS (INCHES)

- GIVEN TO NEAREST TENTH PERCENT, DECIMAL POINT OMITTED

STATIO	V NULBER	1003	204 F	PRIEST LA	KE R.S.								1951-	1980
PERIOD	TOTAL QU™.				OMA	UNT EGUA	L TO OR	GREATER	тнам					
BEGINS	DAYS	TP	0.01	0.05	0.10	0.20	0.30	0.40	0.50	0.60	0.80	1.00	1,50	2.00
JUN 1	174	57	368	310	241	144	69	34	29	23	6			
JUN 11	199	20	417	295	226	156	95	45	4 C	25	10			
JUG 21	202	1.0	386	282	198	114	84	64	35	25	10			
JUL 1	300	17	317	203	143	90	67	50	37	27	7	7		
JUL 11	298	34	221	144	81	ы (;	37	23	17	10	3	3		
JUL 21	330	9	124	91	64	36	27	18	9	6				
AUG 1	300	23	177	113	83	50	37	27	20	10	10			
AUG 11	30ù	13	227	173	137	90	60	47	37	33	17	10	3	
AUG 21	330	15	370	261	200	105	67	48	33	18	9			
SEP 1	280	25	243	189	121	71	50	29	14	11	7	4		
SEP 11	240	25	238	192	158	100	67	29	25	13	4	4	4	
SEP 21	192	56	302	234	182	109	73	69	52	26	5			
МОМТН														
102	575	28	391	296	221	137	83	49	35	24	9			
JUL	928	19	218	144	95	61	43	30	20	14	3	3		
AUG	930	17	261	185	142	84	55	41	30	20	12	3	1	
SEP	712	25	257	503	150	91	62	39	28	15	6	3	1	

PRECIPITATION - PERCENTAGE FREQUENCY OF DAILY AMOUNTS (INCHES)

- GIVEN TO NEAREST TENTH PERCENT, DECIMAL POINT OMITTED

STATION	NUMBER	1002	202	GISBORNE	LOOKOUI								1951-	1978
PERIOD	TOTÁL Nu≅ .	-0	0 01	0.05	AMO	UNT EQUA	L TO OR	GREATER	THAN	0 6 0	0 90	1 00	1 50	2 00
BEGINS	DAYS	IK	0.0T	ບູບລ	0.10	0.20	0.00	0.40	0.00	0.00	0.00	T*00	T * 20	2:00
JUL 1	261	27	314	234	195	111	73	50	34	31	8	4		
JUL 11	280	29	239	143	121	75	54	46	32	18	11	4		
JUL 21	302	16	140	101	34	49	26	15	10	6	3			
AUG 1	230	43	225	168	121	86	46	36	14	7				
AUG 11	276	щ0	207	159	127	76	54	47	43	18	4	4		
AUG 21	179	F.	279	223	168	123	89	61	56	56	28	17		
MONTH														
dial.	849	24	226	155	131	77	49	37	25	18	7	2		
AJG	735	33	231	178	135	91	60	46	35	23	8	5		

					A	verage Da	aily Maxin	num and	Minimum	n Tempera	atures			
Year		Jan.	Feb.	March	April	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1911	Max.							°F					30.6	
	Min.												20.3	
1912		29.9	39.7	46.1	58.5	67.7	79.1	76.7	74.0	65.1	51.0	40.9	33.5	55.2
		14.1	21.2	17.3	28.4	35.3	42.0	44.5	41.5	31.9	26.9	25.7	20.4	29.1
1913		28.5	33.8	41.6	57.5	64.8	74.4	79.5	81.6	71.3	52.2	41.1	32.5	55.0
		11.0	3.4	18.8	26.0	34.0	41.9	40.5	40.6	33.8	27.0	27.7	21.4	27.3
1914		35.7	36.6	49.6	59.8	69.4	71.6	84.1	83.7	65.7	57.0	41.7	28.9	57.0
		23.2	17.0	23.6	29.6	35.3	39.8	43.8	40.0	36.4	34.6	30.1	12.4	30.5
1915		31.0	40.6	53.1	64.7	63.7	71.9	77.8	88.3	67.4	57.1	37.0	30.9	57.1
		17.6	25.5	25.9	31.9	39.0	39.1	44.6	46.3	36.3	33.1	24.5	18.4	31.9
1916		20.4	37.8	44.0	57.7	60.0	71.8	78.8	81.5	70.5	56.6	37.2	26.9	53.6
		5	18.5	26.1	27.4	32.1	39.2	43.5	41.5	36.1	25.1	20.2	11.9	26.8
1917		29.2	34.9	38.3	49.1	64.7	71.1	85.8	85.6	73.7	60.0	44.0	36.8	56.2
		11.2	18.3	16.2	28.0	34.0	38.8	42.0	39.8	38.2	26.6	30.0	23.9	29.0
1918		32.9	34.5	46.9	59.7	62.9	79.9	83.6	74.8	76.7	57.5	39.6	33.7	57.0
		21.8	13.9	25.5	25.6	31.3	40.5	44.5	41.1	37.3	36.5	25.3	20.8	30.5
1919		35.6	34.8	44.7	59.0	64.2	75.5	86.1	83.3	71.1	51.3	34.9	27.0	55.7
		20.2	20.6	23.2	29.3	35.8	36.8	42.3	42.5	35.5	26.8	22.0	11.2	28.9
1920		31.4	38.9	44.2	51.3	60.4	70.3	86.1	82.0	66.0	52.5	42.1	34.3	55.0
		18.1	17.4	25.0	28.3	33.1	38.8	45.6	43.8	38.4	32.5	26.4	24.2	31.0
1921		33.7	37.2	45.2	51.8	67.1	74.6	82.1	82.5	63.5	60.1	38.3	31.4	55.8
		20.7	21.1	24.1	30.5	35.6	44.4	40.6	42.8	33.4	30.3	25.6	16.3	30.5
1922		26.1	31.4	41.7	51.1	64.7	81.0	85.2	83.5	72.3	60.1	38.0	25.8	55.2
		11.2	8.9	21.5	28.6	33.1	42.7	42.4	45.7	38.2	32.9	24.6	10.8	28.5
1923		34.6	32.5	45.6	57.5	64.1	71.0	84.7	81.9	75.6	59.4	40.3	33.6	56.9
		22.0	8.9	19.5	27.6	36.9	44.7	47.9	44.4	36.6	32.1	29.1	22.4	31.2
1924		27.4	42.8	45.2	56.8	74.4	74.9	85.4	79.1	73.1	55.4	37.8	26.7	56.6
		11.7	27.1	26.3	27.3	35.5	39.1	44.2	43.0	36.7	31.7	26.9	10.5	30.0
1925		34.4	41.1	47.1	63.1	70.3	75.9	87.8	81.1	71.2	55.1	40.8	36.8	58.8
		21.0	27.9	26.5	30.4	37.4	43.6	45.5	42.7	39.0	26.5	26.7	30.5	33.2
1926		30.5	40.3	52.9	65.4	66.0	77.6	87.5	79.7	63.0	57.8	43.3	31.9	58.1
_		24.3	27.5	25.2	31.3	37.2	40.5	46.8	43.4	33.5	34.1	29.4	22.7	33.0
1927		30.9	36.6	43.8	55.8	61.4	73.5	82.6	82.2	65.2	54.5	40.0	26.3	54.5
		18.5	22.0	23.4	27.8	35.5	45.5	45.7	44.2	40.5	35.8	29.5	9.8	31.5
1928		30.7	37.7	48.0	53.3	73.8	72.5	83.8	81.7	75.5	55.5	39.5	31.2	57.0
		21.1	16.0	26.0	30.2	36.9	42.8	47.7	41.5	35.1	31.9	27.2	21.5	31.6
1929		20.3	30.0	45.7	53.9	67.7	72.3	83.6	87.3	69.5	60.3	40.8	36.6	55.8
		6.3	5.3	26.9	28.4	35.9	42.7	41.9	42.8	34.7	28.2	21.0	27.6	28.6
1930		22.3	40.6	49.6	64.0	65.3	/1.6	84.6	85.1	/1.6	52.3	38.1	31.3	56.4
		.7	22.1	22.6	32.9	36.4	40.6	44.8	46.0	41.0	30.7	26.7	21.8	30.5
1931		34.5	37.6	45.1	58.6	71.1	72.7	84.7 ¹	85.4	68.7	57.5	37.6	31.1	57.2
		25.8	21.8	27.1	30.3	36.8	43.21	44.41	40.9	37.6	29.5	20.4	20.3	31.7
1932		28.1	33.7	41.8	56.5	65.1	75.5	80.5	83.0	74.1	53.5	42.5	30.5	55.4
		15.9	12.5	22.6	31.3	37.1	43.2	44.3	44.6	34.7	33.1	31.3	15.4	30.5
1933		33.0	28.4	43.5	56.4	61./	/5.8	84.3	85.2	65.5	58.8	43.5	38.7	56.4
		21.2	9.0	24.3	27.6	35.3	41.8	44.5	44.5	37.5	32.5	29.9	28.2	31.5
1934		37.1	44.3	54.0	69.3	71.4	75.8	84.0	85.6	67.8	57.1	45.4	34.2	60.6
		26.4	23.2	27.5	34.9	39.7	42.6	44.7	42.1	36.0	34.4	34.0	25.4	34.3
1935		32.1	39.6	40.2	54.1	67.9	72.8	81.9	80.5	76.3	54.7	35.9	31.7	55.7
		18.1	17.8	22.0	26.3	33.1	41.6	46.5	41.8	38.5	29.8	22.8	25.5	30.4
1936		34.3	23.1	44.0	60.7	73.7	75.6	85.7	84.0	69.5	62.8	37.1	35.0	57.3
100-		22.0	1.0	22.7	38.5	40.4	46.1	45.5	43.0	38.0	30.1	20.7	24.5	30.3
1937		17.4	34.4	48.4	51.7	69.5	74.4	83.2	77.1	72.9	59.0	41.4	34.5	55.4
1000		-4.4	13.6	24.0	30.5	35.4	44.5	49.0	41.7	39.2	36.5	31.5	24.2	30.5
1938		32.7	38.3	44.8	58.9	66.9	/6.4	85.8	81.2	80.3	58.0	36.7	34.1	57.9
1000		20.8	21.6	26.9	30.1	36.3	44.5	48.0	40.4	43.1	34.7	22.9	21.8	32.7
1939		34.6	33.6	47.3	62.8	70.2	68.2	84.1	85.7	/3.1	56.3	43.1	38.6	58.3
10.40		25.3	13.0	23.9	30.3	36.6	41.3	45.7	42.1	38.3	32.3	26.8	21.1	32.1
1940		31.0	37.7	50.8	59.1	/1.8	80.0	84.2	85.3	/5.6	57.5	35.7	34.1	0.60
		17.4	25.4	21.0	33.3	38.6	43.2	48.6	42.1	40.1	39.0	24.3	24.3	34.3

 Table 20.—Monthly and annual average temperatures, 1911-82, at Priest River Experimental Forest control station; based on 24-hour period ending at 5 p.m. P.s.t.

(con.)

Table 20.-(con.)

					Ave	rage Dail	ly Maxim	um and N	linimum	Temperat	ures			
Year		Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
								°F						
1941	Max.	34.7	42.3	55.9	64.3	66.1	73.1	86.1	79.1	62.1	53.9	44.8	34.8	58.2
	Min.	24.4	23.9	27.2	32.8	40.4	46.5	50.3	47.7	41.6	34.7	30.0	25.5	35.5
1942		28.4	37.0	47.3	62.0	63.2	68.6	82.7	83.7	75.2	60.0	36.8	33.2	56.6
		14. 1	21.8	23.9	30.4	38.1	42.9	48.3	45.7	38.1	32.6	25.7	23.9	32.2
1943		25.8	41.7	41.1	60.8	62.2	68.8	82.1	80.0	77.8	58.3	41.2	32.0	56.0
		11.2	21.2	17.6	31.2	35.1	41.0	46.2	42.9	35.6	34.5	27.7	20.3	30.4
1944		33.5	39.0	44.7	60.7	68.3	74.5	83.3	80.8	74.7	65.5	40.5	31.8	58.2
		18.8	20.3	21.0	30.3	38.0	44.9	45.2	43.7	40.7	34.1	29.4	15.7	31.9
1945		35.8	40.5	43.9	53.1	68.7	71.3	85.3	84.9	68.3	60.2	38.3	32.6	57.0
		16.3	15.1	21.4	27.3	37.8	43.0	46.2	43.4	37.8	33.1	27.1	21.7	30.9
1946		33.5	38.3	46.0	58.4	70.8	70.8	82.5	82.3	68.7	51.5	39.2	34.5	56.5
		20.8	20.6	28.5	31.7	37.0	41.9	45.1	43.4	38.5	27.9	22.9	21.7	31.7
1947		29.8	42.0	51.6	59.5	71.5	70.0	83.0	79.5	68.5	54.1	36.9	34.2	56.8
10 17		14.3	18.4	26.1	30.6	38.3	43.5	45.4	43.3	40.1	38.6	27.7	25.2	32.7
1948		31.8	35.2	43.9	51 9	64.1	76.1	76.8	75.5	70.4	58.3	38.7	27.0	5/ 3
1040		16.6	17.3	20.7	20.0	30.7	/0.1	15.5	15.8	38.8	20.0	26.1	1/ 5	31.1
1040		10.0	22.7	15.5	62.0	71 /	74.0	40.0	40.0	72.6	23.2 52.0	20.1	22.4	51.1
1949		19.9	10 /	40.0	02.0	200	20.0	02.2	02.0	10.0	00.4	44.0	10.2	20.4
1050		-2.2	12.4	22.1	29.1	30.9	39.9	45.0	44.0	30.3	28.1	31.3	19.3	29.0
1950		18.2	35.3	40.5	53.0	64.1	72.2	81.7	82.8	/5.4	51.4	39.3	35.6	54.2
		8	19.7	24.4	27.3	33.9	43.6	46.8	45.4	36.3	36.3	26.3	27.6	30.6
1951		31.9	37.2	41.4	60.7	66.6	71.8	84.2	81.2	71.1	51.0	38.7	27.2	55.3
		17.8	18.0	18.9	26.0	37.1	40.7	45.0	44.4	37.0	35.8	26.3	14.6	30.2
1952		29.7	37.0	44.1	60.5	68.5	71.7	82.5	81.6	76.7	67.4	39.6	32.7	57.7
TOOL		17.2	19.6	22.4	27.5	37.0	42.2	44 7	43.5	38.4	28.3	22.8	25.4	30.8
1953		39.5	10.0	17 1	5/ 1	65.7	67 /	82.1	90.0 81 0	72 7	61.0	13.8	25 A	57.7
1000		20.2	22.1	25.5	21 1	26.1	12.2	112	46.1	206	22.1	20.2	25.9	22.0
105/		20.2	40.2	42.0	50.1	67.7	40.Z	70.5	76 1	60.0	547	25.5	20.0	55.9
1994		17.0	40.0	40.0	JZ.1	25.0	44.4	19.5	10.1	44 4	20.0	4J.7	04.0	20.1
1055		01.0	20.0	19.0	20.1	30.9	41.4	44.0	44.0	41.1	50.0	32.5	24.2	52.1
1955		31.2	33.0	37.3	48.7	60.2	74.9	//.5	82.3	69.8	54.0	32.9	30.6	52.8
1050		21.8	14.9	16.0	27.8	34.1	42.9	48.1	39.9	39.1	35.6	18.7	17.1	29.8
1956		32.2	30.4	42.6	60.3	70.0	70.3	82.7	80.2	/2.5	53.3	36.7	33.9	55.5
		20.2	13.7	22.8	29.6	39.2	42.1	47.6	45.0	38.0	33.9	22.7	22.9	31.6
1957		22.6	36.0	44.4	57.5	71.5	73.5	79.4	78.5	77.1	51.8	39.6	36.1	55.8
		5.1	17.2	24.2	30.2	42.3	45.7	44.3	41.8	37.8	33.9	23.9	26.5	31.2
1958		33.9	41.9	46.9	54.9	77.5	77.7	85.5	88.3	70.7	60.5	38.4	34.2	59.3
		25.6	29.0	26.5	31.5	41.1	47.8	47.8	46.8	38.5	30.6	24.4	25.5	34.6
1959		32.9	35.4	45.0	57.8	62.3	73.3	84.0	75.6	63.7	53.4	36.8	32.3	54.5
		19.7	19.4	25.3	30.8	34.6	43.7	44.9	43.4	41.4	33.9	18.6	23.3	31.7
1960		27.1	36.3	45.1	55.9	61.5	75.1	88.5	74.5	73.4	58.2	40.0	30.2	55.5
		13.8	18.8	23.1	30.6	37.3	41.3	46.2	44.2	36.7	32.5	26.2	21.9	31.1
1961		34.0	40.2	47.5	54.4	65.6	81.6	85.6	89.0	67.6	52.9	37.1	31.0	57.3
		21.8	28.7	27.4	30.6	38.6	44.6	47.8	48.5	35.3	31.5	20.5	19.0	32.9
1962		28.1	36.9	42.2	61.5	62.4	74.0	81.6	78.2	74.2	54.7	42.1	35.2	56.0
		12.1	20.7	23.1	30.2	37.7	41.1	43.0	44.7	37.4	34.8	31.6	27.8	32.1
1963		26.5	41.0	47.7	56.1	67.4	73.4	79.6	84.1	78.8	60.5	40.7	31.0	57.3
		12.7	25.3	27.3	31.0	35.9	45.5	45.5	45.6	42.3	34.7	29.6	22.6	33.2
1964		33.3	38.9	41.5	53.3	64.5	73.2	83.1	75.2	66.9	59.0	37.6	28.5	54.6
		23.8	18.0	22.3	28.6	36.5	44.6	45.7	42.3	35.6	31.6	28.2	17.6	31.3
1965		32.7	37.1	45.0	58.8	64.4	73.7	83.2	79.8	63.2	59.8	42.0	32.8	56.2
		25.1	20.3	15.3	30.7	311	/1.8	46.7	48.3	35.2	32.9	31.4	24 7	32.3
1966		20.1	20.0	15.0	56.7	70.7	60.2	90.7 80 Q	82 /	77.7	55.5	39.5	34.5	57.0
1000		23 1	22.2	24.6	20.7	27 /	11 7	45.0	125	12.5	33.3	28.7	28.5	33.6
1067		23.4	20.0	24.0	29.0	64.4	76.0	40.9	40.0	92.0	54 1	20.7	20.5	57.5
1307		25.2	40.2	41.2	20.7	27.0	10.2	04.0	30.7 A A 1	20.7	24.1	27.2	20.4	32.0
1069		20.0	22.9	24.0	20.2	37.3	40.2	44.0	75.0	67.7	50 5	20.0	20.4	54.9
1900		31.0	41.6	49.0	53.9	00.0	/1.3	64.5	/5.3	41.0	20.5	30.3	20.1	20.1
1000		18.9	20.8	27.7	29.1	30.3	42.9	45.3	40.2	41.0	32.3	27.9	20.4	52.1
1969		23.7	34.7	47.0	55.2	69.3	/5.1	/8./	81.7	70.3	52.6	39.8	32.1	55.T
1070		12.3	19.4	23.0	31.6	39.7	47.1	44.2	41.3	42.3	31.5	27.2	25.7	32.2
1970		28.4	38.5	43.7	48.3	68.1	//.5	84.0	86.2	07.1	53.7	38.6	30.6	00.1
		18.4	22.7	22.3	28.6	37.1	47.4	50.0	43.5	37.1	30.5	20.0	20.4	32.1
														(con.)

				Ave	rage Dail	y Maximu	um and N	linimum 1	Temperatu	ures			
Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
							°F						
1971	31.8	36.3	40.7	54.5	69.5	69.6	82.7	87.8	64.9	53.1	36.7	28.5	54.8
	21.7	22.2	22.5	30.0	38.6	45.1	46.9	47.0	37.4	30.8	28.0	17.8	32.4
1972	27.7	36.2	46.2	50.8	69.1	72.5	79.1	85.1	65.8	57.7	39.1	27.6	54.8
	12.3	21.9	28.0	28.1	41.3	47.3	46.9	49.5	38.7	31.5	29.6	17.3	32.7
1973	28.5	39.0	46.8	57.0	69.0	73.7	86.2	84.0	71.5	53.6	35.2	32.1	56.5
	16.0	22.3	27.4	29.3	38.3	44.9	46.1	45.8	42.5	36.5	27.7	26.9	33.7
1974	28.8	36.5	42.7	55.2	61.2	78.9	80.8	82.5	76.0	61.8	40.0	34.0	56.6
	17.8	26.3	26.7	34.8	37.2	47.4	49.3	46.6	39.1	28.3	32.5	27.3	34.5
1975	29.4	33.0	41.0	51.4	66.4	71.4	86.7	77.3	75.9	53.7	37.0	32.8	54.8
	19.2	18.5	25.1	28.6	38.1	45.0	54.1	48.0	39.3	38.0	24.8	23.7	33.6
1976	31.8	35.1	40.1	53.7	69.1	69.4	80.2	75.6	76.4	57.4	39.3	31.5	55.0
	23.8	22.4	20.8	31.5	36.8	41.8	47.9	49.5	40.3	31.7	25.7	24.5	33.1
1977	26.9	39.2	44.3	62.6	60.4	76.1	79.5	82.7	65.3	56.2	36.0	31.5	55.1
	17.1	24.9	27.3	29.4	36.8	44.9	45.3	47.9	41.4	32.3	25.4	22.1	32.9
1978	32.3	38.1	48.5	56.3	62.1	76.4	81.3	76.2	66.3	59.0	35.2	25.5	54.8
	24.0	28.6	29.3	34.7	39.2	45.7	50.9	48.9	44.4	31.8	23.9	13.2	34.6
1979	18.4	32.8	47.1	54.5	68.4	77.0	84.9	85.7	77.4	59.5	34.3	36.6	56.4
	3.6	22.4	24.9	29.8	39.3	45.2	49.0	48.5 ¹	41.7	35.1	22.5	29.2	32.7
1980	26.5	35.7	43.5	62.7	66.5	70.7	80.1	74.7	69.7	57.9	38.6	34.0	55.1
	12.6	26.6	26.6	33.7	43.3	43.8	48.4	44.4	41.6	33.2	30.0	27.6	34.3
1981	33.1	39.5	51.1	54.4	62.7	65.9	79.0	84.5	71.3	52.3	41.0	31.9	55.6
	25.6	24.0	27.7	32.4	40.5	43.0	46.7	47.7	40.5	34.0	31.5	23.3	34.7
1982	28.1	34.3	44.8	52.5	66.8	77.6	77.0	79.9	69.8	52.5	34.9	30.2	54.0
	18.9	19.8	28.2	28.0	37.6	48.4	47.5	47.6	42.6	34.5	25.7	22.6	33.5
50-year aver	age 1931-80												
	30,1	37.1	45.0	56.9	67.1	73.4	82.8	81.6	71.6	56.6	39.1	32.5	56.2
	17.5	20.2	24.1	30.1	37.6	43.9	46.5	44.7	39.1	32.9	26.7	22.6	32.2

¹Includes corrections of confirmed errors in published climatological data.

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Table 21.— Daily maximum temperatures (°F) at Priest River Experimental Forest control station; statistics based on years 1931 through 1977, except 1912-82 where indicated, and on 24-hour period ending at 5 p.m. P.s.t.

MAXIMUM DAILY TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION NUMBER 107366 PRIEST RIVER EXP FOR (CONTROL STN)

1931-1977 Except as noted

DEFILID VELAN DEFU VELAN			10-DAY	AND MONT	HLY PERIOD	MEANS	I		10-04	AND I	MONTHLY E	XTREME DAIL	Y VALUE	S		
PERIOD STL. HEGHES LOCKST LOCKST <thlockst< th=""> <thlockst< th=""> <thlockst< th=""></thlockst<></thlockst<></thlockst<>					1912	-1982	I I									
JAH 1 28.6 6.2 30.0 34.6 6.6 79 1 49 53 37.1 5.7 77.0 -7.7 22.2 8.6 22.5 JAH JAH JAH 21 30.6 6.1 32.0 44.0 53 35.5 5.6 35.0 12.5 9.0 22.5 JAH	PERIOD BEGINS	MEAN	ŠTÚ. DEV.	MEDIAN	HIGHEST AVG.YR	LOWEST AVG • YR	I I I	1912+1982 HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	1912-1982 LOK,YR	AVG. Low	STD. DEV.	MEDIAN LOW	PERIOD BEGINS
JAN 11 30.5 6.1 32.0 40.0 93 13.5 51.6 53.0 1 32.2 1.5 9.0 22.4 8.6 22.4 6.6 22.5 8.6 22.4 6.6 22.5 2.6 6.7 22.7 7.7 7.7 8.2 1.6 6.7 7.7 7.7 22.4 1.6 6.7 7.7<	JAN 1	29.8	6.2	30.0	39.3 45	6.5 79	I	49 53	37.1	5.9	37.0	-2 79	22.2	8.6	25.0	JAN 1
JAA 21 30.e 6.2 32.0 40.e 19 10.9 29 I 49 12 39.1 6 41.0 0 29 21.4 6.9 27.0 JAA 21 FE 11 77.3 5.2 37.0 50.7 34 11.6 55 I 57.6 44.4 4.9 42.0 0 35.2 61.1 7.3 25.0 FE 11 FT 11 11.5 5.2 47.0 50.7 34 11.6 55 I 57.6 44.4 4.9 42.0 1 25.2 31.7 7.3 25.0 FE 11 MAR 11 44.9 4.6 44.0 52.0 65 31.4 51 I 57.6 44.9 5.6 44.0 0 1 86.0 34.0 57.3 35.0 FE 14.1 MAR 11 44.9 5.6 44.0 52.0 65 31.4 51 I 57.6 44.9 5.6 44.0 0 1 86.0 34.0 54.0 34.0 54.0 48.0 1 MAR 21 44.0 5.2 47.0 61.5 41 35.0 13 I 7.6 71.6 52.4 64.1 0 0 29 36 44.4 4.8 48.0 48.0 1 84.0 1 1 84.0 1 84.0 1 84.0 1 84.0 1 84.0 1 1	JAU 11	30.5	6.1	32.0	40.0 53	13,5 50	I	49 53	38,5	5.6	39.0	1 35	21.5	9.0	22.5	JAN 11
FED 1 244,7 5,6 32,7 5,0 42,7 34 17,6 56 1 51,6 24,4 44,0 0 56 20 44,4 44,0 0 7 66 23,0 7,7 57,0 23,0 7,7 57,0 23,0 7,7 57,0 23,0 7,7 57,0 23,0 7,7 57,0 23,0 7,7 57,0 23,0 7,7 57,0 23,0 7,7 57,0 23,0 7,7 57,0 23,0 7,7 57,0 23,0 7,7 44,0 66,0 7,7 57,0 22,0 64,4 44,4 44,0	JAN 21	30.8	6.2	32.0	40.8 19	10,9 29	I	49 12	39.1	6,6	41.0	0 29	21.4	8.9	25.0	JAN 21
FE031 27.3 5.2 37.0 50.4 4.4 4.7 44.0 -1.23 30.0 7.9 82.0 FE0121 FE021 35.9 4.4 40.0 97.7 62.6 52.1 57 47.4 62.0 23.0 62.1 37.4 44.6 51.1 46.0 20.6 33.1 61.0 77.0 28.0 84.4 44.0 32.0 74.0 84.0 32.6 44.0 32.0 74.0 84.0 77.0 28.0 84.4 44.0 <t< td=""><td>FEB 1</td><td>34.7</td><td>5.6</td><td>35.0</td><td>42.7 34</td><td>17.6 36</td><td>I</td><td>51 63</td><td>42.4</td><td>4.9</td><td>42.0</td><td>0 36</td><td>26.1</td><td>9.3</td><td>29.0</td><td>FEB 1</td></t<>	FEB 1	34.7	5.6	35.0	42.7 34	17.6 36	I	51 63	42.4	4.9	42.0	0 36	26.1	9.3	29.0	FEB 1
FEP 1 39:9 4.4 40:0 47.7 66 26:2 1 57.47 46:2 51.1 45.0 20 62 63.1 55.0 85.0 MAR 1 44.0 20 62 33.1 5.0 MAR 1 44.0 20 62.0 23.1 5.0 MAR 1 66 55.4 46.0 20 62.4 33.1 5.0 MAR 1 MAR 1 44.0 44	FE8 11	37.3	5,2	37.0	50.2 34	16.9 36	I	56 30	44.4	4.7	45.0	-1 23	30.0	7.9	32.0	FEB 11
MAR 1 41,5 5,2 40,0 52,0 65,0 46,0 18 60 34,0 6.2 35,0 MAR 11 MAR 11 44,0 5,2 6,0 6,7 52,4 6,1 51,0 22 64,4 51,0 22 64,4 51,0 22 64,4 51,0 22 64,7 51,0 22 64,4 51,0 22 64,7 51,0 72 44,0 34,0 71,0	FER 21	39.9	4.4	40.0	47.7 68	26,5 62	I	57 47	46.2	5,1	45.0	20 62	33.1	5.3	35,0	FEB 21
Mark 11 44.9 4.6 6.0 47.0 52.6 21.0 26.6 21.0 26.6 21.0 27.4 48.0 36.0 Mark 21 APR 21 53.6 5.6 5.6 5.6 5.7 57.0 26.6 26.7 67.7 67.0 22.6 46.3 59.0 54.7 67.7 67.2 67.7 67.0 27.3 54.4 48.4 48.0 44.0	MAR 1	41.5	5.2	40.0	52.0 65	31.4 51	I	63 53	48.9	5.6	48.0	18 60	34.0	6.2	35.0	MAR 1
MAR 21 Ar.0 C + 1, 0 C + 1, 0 D + 1, 0 <thd +="" 0<="" 1,="" th=""> <thd +="" 0<="" 1,="" th=""> D + 1,</thd></thd>	MAR 11	44.9	4.6	44.0	60.0 47	37.2 21	I	68 47	52.4	6.4	51.0	26 21	37.4	4.8	38.0	MAR 11
APR 1 54,2 54,4 52,4 64,6 62,0 29,35 44,4 44,6 APR 11 APR 11 62,5 64,1 53,00 77,05 56,0 74,5 56,7 64,1 74,5 64,1 74,5 74,1 <td>MAR 21</td> <td>48.0</td> <td>5.2</td> <td>47.0</td> <td>61.5 41</td> <td>39.0 13</td> <td>I</td> <td>70 15</td> <td>56.7</td> <td>6.7</td> <td>57.0</td> <td>28 64</td> <td>39.9</td> <td>5.4</td> <td>40.0</td> <td>MAR 21</td>	MAR 21	48.0	5.2	47.0	61.5 41	39.0 13	I	70 15	56.7	6.7	57.0	28 64	39.9	5.4	40.0	MAR 21
APR 11 5.0 7.0 <t< td=""><td>APR 1</td><td>53.2</td><td>5.4</td><td>52.0</td><td>68.6 25</td><td>44.2 20</td><td>I</td><td>16 77</td><td>62.2</td><td>6.7</td><td>62.0</td><td>29 36</td><td>44.4</td><td>4.8</td><td>44.0</td><td>APR 1</td></t<>	APR 1	53.2	5.4	52.0	68.6 25	44.2 20	I	16 77	62.2	6.7	62.0	29 36	44.4	4.8	44.0	APR 1
App 2, 2 64, 2 5, 6 57, 0 75, 5 7 45, 7 1 66, 7 74, 3 71, 5 71, 0 10, 0 33, 6, 1 33, 6, 6 53, 6, 4 11 10, 6 53, 6, 6 55, 6 10, 0 10, 1 11, 6 74, 5 16, 6 10, 0 10, 0 10, 1 11, 6 16, 6 6, 1 10, 0 10, 1 11, 1 16, 6 10, 0 10, 0 10, 1 11, 1 16, 6 10, 0 10, 0 10, 1 11, 1 16, 6 10, 0 <	APR 11	5/.0	7.0	55.0	72.9 36	44.8 55	1	85 36	6/.3	8.0	67.0	37 22	46.8	5.8	46.0	APR II
HAT 1 C-19 B-10 D-10 P1.0 B-10 P1.0 P1.0 <td< td=""><td>APR 21</td><td>60.2 7 0</td><td>5.0</td><td>59.0</td><td>73.5 //</td><td>49.0 /U</td><td>L T</td><td>08 34 90 (6</td><td>71.5</td><td>7.0</td><td>70.0</td><td>09 ZI 41 CI</td><td>57.0</td><td>3.Z</td><td>50.0</td><td>MAY 1</td></td<>	APR 21	60.2 7 0	5.0	59.0	73.5 //	49.0 /U	L T	08 34 90 (6	71.5	7.0	70.0	09 ZI 41 CI	57.0	3.Z	50.0	MAY 1
AAA 21 CPA 2 S.S. 6 64.0 CPA 24 S.S. 64.0 AAA 24 S.S. 64.0 AAA 44 ST.S. 65.0 CPA 14 JUN 1 T76.6 S.S. 70.0 BA1 69 S66.0 S61.0 S6.0	MAY I	63.9	6.I	63.0	19.0 66	50 A 43	1 T	20 66 80 73	77 0	(· I	73.0	41 61	55 x	6.9	57 0	MAY 11
Aut 1 76.1 5.6 69.0 69.0 69.0 60.1 6.7 60.0 43 44 64.0 56.0 JUN 1 JUN 1 71.6 5.1 70.0 69.2 61.0 51.5 61.0 46 66.6 66.6 62.0 JUN 1 JUN 1 75.1 5.2 71.0 89.2 61.0 51.6 61.0 52.5 61.0 82.0 51.6 62.7 62.0 JUN 1 JUL 1 75.9 7.1 A0.0 94.0 70.6 64.7 62.1 102.4 64.0 44.9 86.0 55.5 64.7 76.0 JUL 1 JUL 1 63.3 44.8 60.0 72.2 101.4 51.4 54.0 55.4 65.7 64.7 71.0 JUL 1 31.0 34.4 54.0 55.6 65.7 71.7 74.0 JUL 1 103.4 51.4 54.0 55.6 67.7 74.0 JUL 1 103.4 51.4 55.0 55.0 55.0 55.2 66.7 75.7 77.0 45.7 77.0	MAT II	E/ . Z	5.0	67.0	CT+0 24	52.1 24		07 7J	90 1	6.0	70.0	41 67	57 9	5 7	50 0	NAY 21
JUL 11 73.4 6.9 74.0 83.4 72.7 61.3 61.0 97.4 64.0 74.6 65.0 62.0 JUL 11 JUL 11 75.4 61.2 77.6 61.3 61.7 82.0 54.6 65.0 62.0 54.6 65.7 66.2 62.0 JUL 11 JUL 11 25.3 4.7 82.0 92.6 60.7 75.6 67.7 61.3 61.0 61.0 63.7 73.3 6.0 73.0 JUL 11 40.6 1.5 5.4 61.7 73.7 61.0 74.6 74.0 JUL 21 74.6 63.7 74.0 JUL 21 40.6 1.5.4 83.0 92.6 76.6 75.6 64.7 74.0 JUL 21 74.0 JUL 21 AUG 11 63.7 64.7 75.0 64.7 77.0 74.0 JUL 21 JUL 21 </td <td>MAT 21</td> <td>70.1</td> <td>D.D</td> <td>70 0</td> <td></td> <td></td> <td></td> <td>57 30</td> <td>50 aL</td> <td>5.4</td> <td>CU.U</td> <td>43 44</td> <td>21.0</td> <td>6 3</td> <td>20.0</td> <td></td>	MAT 21	70.1	D.D	70 0				57 30	50 aL	5.4	CU.U	43 44	21.0	6 3	20.0	
$ \begin{array}{c} \begin{array}{c} 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$		71.00	5 G	70.0	01.1 67 AG 2 74	41 3 81	T	92 JO 95 40	62 3	5.5	82 0	51 81	62.7	6.9	60.0	JUN: 11
JUL 1 1 <td></td> <td>7.0.4</td> <td>5.2</td> <td>72,0</td> <td>80.4.25</td> <td>43 5 49</td> <td>Ť</td> <td>P7 12</td> <td>84 9</td> <td>5.8</td> <td>85.0</td> <td>54 69</td> <td>63.8</td> <td>6.2</td> <td>52.0</td> <td>JUN 21</td>		7.0.4	5.2	72,0	80.4.25	43 5 49	Ť	P7 12	84 9	5.8	85.0	54 69	63.8	6.2	52.0	JUN 21
JUL 11 21.2 <		70.1	5.1	20.0	00.723		T	102 24	6.8.0	4.8	88.0	55 55	69.7	6.6	70.0	101 1
JUL 21 21.0 21.0 21.0 1 101.0 21.0 21.0 101.0 21.0 21.0 101.0 21.0 21.0 100.0 21.0 100.0 101.0 21.0 100.0 101.0 101.0 21.0 100.0 101.0 101.0 21.0 100.0 101.0 101.0 21.0 100.0 101.0 <		12.02	11 7	82 0	99.0 70	72 2 15	Ť	101 18	91 4	4.9	92.0	63 71	73.3	6.0	73.0	
AUG 1 63.6 64.4 63.0 92.9 91.7 75.0 64.7 1 103 61.7 64.4 92.0 59.6 73.4 74.0 AUG 1 AUG 1 63.1 54.4 63.0 92.6 77.0 75.0 64.7 1 99.67 99.0 52.16 73.4 7.9 74.0 AUG 12 SEP 1 76.2 5.4 75.0 64.7 12 99.67 99.0 49.12 67.3 71.1 60.0 72.9 SEP 1 76.2 5.4 75.0 64.6 17.12 1 99.638 82.4 5.9 95.0 51.22 65.0 6.9 66.0 SEP 11 SEP 11 70.6 64.0 61.6 75.4.3 72.2 67.7 77.0 43.34 57.9 8.2 57.0 SEP 21 OCT 1 67.3 74.4 4.9 57.0 66.6 33.0 48.8 5.5 47.5 OCT 21 OCT 21 50.2 5.3 50.0 62.2 44.4 66.5 51.3 5.2	JUL 21	65 G	x 9	85.0	93.2.28	77 4 40	Ť	101 34	92 4	3.8	93.0	59 48	74.3	7.1	76.0	JUE 21
AUG 11 B3.1 5.4 B3.0 62.2 67 66.6 73.4 7.9 74.0 AUG 11 AUG 11 B3.1 5.4 B3.2 15 63.5 60.1 99.67 60.0 43.3 60.0 49 12 67.3 7.1 66.0 AUG 11 SEP 1 76.2 5.4 75.0 86.66 61.7 12 196.67 86.7 5.7 89.0 49 12 67.3 7.1 66.0 AUG 12 SEP 11 70.9 6.3 70.0 R6.1.6 87 54.1 14 1 93.67 77.7 70.0 43.3 57.9 84.2 57.0 SEP 11 OCT 1 62.2 5.4 77.9 74.0 39 70 52.2 80.0 50.0 OCT 1 OCT 11 57.4 4.9 57.0 66.0 24.4 46.2 35.2 50.0 21.45 36.0 44.5 36.0 44.5 36.0 44.5 36.0 44.5 36.0 44.5 36.0 44.5 36.0 44.5 <td></td> <td>63.8</td> <td>L.L</td> <td>83.0</td> <td>92.9 71</td> <td>75.0 64</td> <td>Ť</td> <td>103 61</td> <td>91.2</td> <td>4.4</td> <td>92.0</td> <td>59 64</td> <td>73.8</td> <td>6.3</td> <td>74.0</td> <td>AUG 1</td>		63.8	L.L	83.0	92.9 71	75.0 64	Ť	103 61	91.2	4.4	92.0	59 64	73.8	6.3	74.0	AUG 1
Aug 21 78.6 6.0 75.0 85.2 15 63.5 60.1 98.77 68.7 65.7 85.0 49.12 67.3 71.1 66.0 SEP 1 SEP 1 76.2 5.4 75.0 86.6 63 61.7 12 1 96.38 74.6 5.9 85.0 51 22 65.0 6.9 66.0 SEP 1 SEP 1 77.7 7.9 6.6 71.0 8.15 72.2 8.0 57.9 8.2 57.0 SEP 21 OCT 1 6.2.3 6.6 6.5 57.9 93 50.6 27 1 83<7	AUG 11	83.1	5.4	83.0	96.2 67	66.6 78	Ť	98 67	90.6	4.3	90.0	52 16	73.4	7.9	74.0	AUG 11
SEP 1 76.0 86.6 63.7 61.7 12 1 96.38 86.4 51.9 86.0 51.22 65.0 6.9 66.0 SEP 1 SEP 11 76.9 6.3 70.0 A6.138 54.1 14 1 93.36 81.5 6.5 82.0 47 47 59.9 6.5 59.0 SEP 11 OCT 1 67.7 7.9 66.0 61.6 75.4 72 1 90.7 76.8 77.0 43.34 57.9 62.5 50.0 02T 1 OCT 1 57.0 62.2 44 66.6 10 1 82.4 66.2 56.6 66.0 21.45 34.0 50.0 02T 1 90.7 56.4 77.0 44.0 45.0 12.55 34.0 14.0 14.5 36.0 46.0 12.55 31.9 56.0 32.0 10.7 11 10.7 14.7 17.0 15.5 55.3 45.7 44.0 15.7 22.1 44.1 30.0 14.4 30	Aug 21	78.6	6.0	79.0	89.2 15	63.5 60	ĩ	98 67	58.7	5.7	89.0	49 12	67.3	7.1	68.0	AUG 21
SEp 11 70.9 6.3 70.0 Ac.1 3A 54.1 14 1 93 32 61.5 6.5 62.0 47 47 59.9 6.5 59.0 SEP 21 SEP 21 67.7 7.9 66.6 81.6 67 54.3 72 90 67 76.8 7.7 77.0 45.3 57.9 8.2 57.0 SEP 21 OCT 1 57.4 4.9 57.0 66.0 81.6 67 74.0 35 77.0 45.3 57.9 8.2 57.0 SEP 21 OCT 1 57.4 4.9 57.0 66.0 44 46.6 30 1 82.34 66.2 5.6 66.0 33.30 48.8 5.5 47.5 0CT 21 NOV 1 45.5 3.9 43.0 50.6 65 34.1 17.3 1 64.65 51.3 5.2 50.0 21.45 36.0 4.5 36.0 NOV 11 NOV 1 45.7 45.0 45.0 12.55 31.9 56.0 NOV 11 NU 21 35.8 4.0 35.0	SEP 1	76.2	5.4	75.0	86.6 63	61.7 12	Ť	96 38	85.4	5.9	85.0	51 22	65.0	6.9	66.0	SEP 1
SEP 21 67.7 7.9 66.6 81.6 67 54.3 72 1 90 67 76.8 7.7 77.0 43 34 57.9 8.2 57.0 SEP 21 OCT 1 62.3 66.6 61.5 79.9 43 50.6 27 1 63 43 72.2 6.7 74.0 39 70 52.2 8.0 50.0 OCT 11 OCT 15 57.4 4.9 57.0 62.2 44 66.6 11 10 12 55.4 50.0 21 35 40.9 6.2 41.5 OCT 11 NOV 1 36.7 4.3 36.0 47.6 34 22.5 55 1 55 53 45.7 4.6 45.0 12 55 31.9 5.6 33.0 NOV 11 NOV 21 35.6 4.1 33.0 41.7 17 15.5 22.0 4.1 22.0 4.9 24.6 64.4 27.0 0 10 82.3.2 6.9 24.0	SEP 11	70.9	6.3	70.0	86.1 38	54.1 14	ī	93 38	81.5	6.5	82.0	47 47	59.9	6.5	59.0	SEP 11
OCT 1 62.3 6.6 61.5 79.9 43 50.6 27 1 63 43 72.2 6.7 74.0 39 70 52.2 8.0 50.0 OCT 11 OCT 11 57.4 4.9 57.0 66.0 44 46.6 50 1 82 34 66.2 5.6 66.0 33 30 48.8 5.5 47.5 OCT 11 NOV 1 43.5 3.9 43.0 50.6 65 34.1 73 1 64 65 51.3 5.2 50.0 21 45 36.0 40.7 36.0 NOV 1 35.0 46.5 33 27.1 31 1 55 53 44.0 15 75 29.1 4.8 30.0 NOV 21 DEC 1 32.0 4.9 3.4 72 1 53 41 41.9 5.5 44.0 15 75 29.1 4.8 30.0 NOV 21 DEC 1 32.0 41.7	SEP 21	67.7	7.9	.66.0	81.6 67	54.3 72	Ī	90 67	76.8	7.7	77.0	43 34	57.9	8.2	57.0	SEP 21
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} $	OCT 1	62.3	6.6	61.5	79.9 43	50.8 27	I	83 43	72.2	6.7	74.0	39 70	52.2	8.0	50.0	OCT 1
$\begin{array}{c} OCT\ 21 & SG, 2 & S, 3 & SO, 0 & 62, 2 \ 44 & 36, 619 & I & 70\ 52 & 59, 1 & 6,0 & 60,0 & 21\ 35 & 40,9 & 6,2 & 41,5 & OCT\ 21 \\ NOV\ 1 & 45,7 & 4,3 & 36,0 & 47,6\ 43 & 22,5\ 55 & I & 55\ 53 & 45,7 & 4,6 & 45,0 & 12\ 55\ 53,0 & 9,5\ 6\ 33,0 & NOV\ 11 \\ NOV\ 21 & 35,8 & 4,0 & 35,0 & 46,3\ 33 & 27,1\ 31 & I & 58\ 49 & 44,2\ 5,5 & 44,0 & 15\ 75\ 29,1 & 4,8 & 30,0 & NOV\ 11 \\ DCC\ 1 & 33,0 & 44,7\ 39 & 18,7\ 72 & I & 55\ 41\ 74,9 & 55\ 42,0 & 419 & 26,6\ 6,4\ 27,0 & DCC\ 11 \\ DCC\ 1 & 32,0 & 4,9 & 93,2,0 & 41,1\ 17\ 15\ 52\ 21 & 15\ 41,1 & 39,5\ 54\ 45\ 38,0 & 0\ 19\ 24,9 & 74,4\ 25,0 & DEC\ 11 \\ DCC\ 21 & 32,0 & 4,1\ 32,0 & 40,5\ 80\ 15,5\ 42\ 15\ 1\ 17\ 53,44\ 14\ 14,9 & 55,5\ 42,0 & 0\ 19\ 24,9\ 7,4\ 25,0 & DEC\ 11 \\ DCC\ 11 & 22,0 & 4,1\ 32,0 & 44,7\ 39\ 18,7\ 72\ I\ 54\ 17\ 39,5\ 4,5\ 38,0 & 0\ 0\ 19\ 24,9\ 7,4\ 25,0 & DEC\ 11 \\ DCC\ 11 & 27,0 & 14,1\ 32,0 & 14,1\ 32,0\ 15,5\ 31\ 17,4\ 37\ 1\ 1\ 55\ 42,7\ 4,6\ 43,0\ -2\ 79\ 1\ 15,9\ 8,7\ 1\ 44,9\ 16\ 1\$	OCT 11	57.4	4.9	57.0	68.0 44	46.6 30	I	82 34	66.2	5.6	66.0	33 30	48.8	5.5	47.5	OCT 11
$\begin{array}{c} NOV \ 1 & 43.5 & 3.9 & 43.0 & 50.6 & 65 & 34.1 & 73 & I & 64 & 65 & 51.3 & 5.2 & 50.0 & 21 & 45 & 36.0 & 4.5 & 36.0 & NOV \ 1 \\ NOV \ 11 & 36.7 & 4.3 & 36.0 & 46.5 & 33 & 27.1 & 31 & I & 58 & 49 & 44.2 & 5.3 & 44.0 & 15 & 75 & 29.1 & 4.6 & 30.0 & NOV \ 11 \\ NOV \ 21 & 35.8 & 4.0 & 35.0 & 46.3 & 33 & 27.1 & 31 & I & 58 & 49 & 44.2 & 5.3 & 44.0 & 15 & 75 & 29.1 & 4.6 & 30.0 & NOV \ 11 \\ DEC \ 1 & 33.e & 4.1 & 33.0 & 44.7 & 39 & 18.7 & 72 & I & 53 & 41 & 41.9 & 5.5 & 42.0 & 41.9 & 26.6 & 6.4 & 27.0 & DEC \ 1 & 22.0 & 4.9 & 32.0 & 4.1 & 32.0 & 40.5 & 80 & 19.2 & 21 & 153 & 34.1 & 41.9 & 5.5 & 42.0 & 41.9 & 26.6 & 6.4 & 27.0 & DEC \ 11 & 22.0 & 4.9 & 32.0 & 40.5 & 80 & 19.2 & 6.8 & I & 55 & 33 & 40.1 & 4.7 & 39.0 & -10 & 68 & 23.2 & 6.9 & 24.0 & DEC \ 21 & DEC \ 21 & 32.0 & 4.1 & 32.0 & 40.5 & 80 & 19.2 & 6.8 & I & 55 & 33 & 40.1 & 4.7 & 39.0 & -10 & 68 & 23.2 & 6.9 & 24.0 & DEC \ 21 & DEC \ 11 & 32.0 & 4.1 & 31.0 & 39.5 & 53 & 17.4 & 27 & I & 49 & 53 & 42.7 & 4.0 & 43.0 & -2 & 79 & 15.9 & 8.7 & 14.0 & DEC \ 11 & DEC \ 12 & S \ 37.2 & 3.6 & 37.0 & 44.2 & 34 & 25.4 & 23.1 & 36 & I & 57 & 47 & 46.3 & 3.8 & 49.0 & -1 & 23 & 23.9 & 8.8 & 25.0 & FEB \ MAR \ A44.9 & 3.6 & A44.0 & 55.9 & 41 & 37.3 & 55 & I & 70 & 15 & 57.7 & 6.2 & 57.0 & 18 & 60 & 32.4 & 5.8 & 33.0 & MAR \ APP \ AS6.0 \ A17 \ A17 \ A19 \ A27 \ A25 \ A25 \ A31 \ A44.9 \ A3.6 \ A44.9 \ A4$	UCT 21	50.2	5.3	50.0	62.2 44	36.6 19	Ĩ	70 52	59.1	6.0	60.0	21 35	40.9	6.2	41.5	OCT 21
$\begin{array}{c} F_{OV} 11 & 36.7 & 4.3 & 36.0 & 47.6 & 34 & 22.5 & 55 & I & 55 & 53 & 45.7 & 4.6 & 45.0 & 12 & 55 & 31.9 & 5.6 & 33.0 & NOV 11 \\ NOV 21 & 35.8 & 4.0 & 35.0 & 46.5 & 33 & 27.1 & 31 & I & 58 & 49 & 44.2 & 5.3 & 44.0 & 15 & 75 & 29.1 & 4.8 & 30.0 & NOV 21 \\ DEC 1 & 32.0 & 4.9 & 32.0 & 41.7 & 79 & 18.7 & 72 & I & 53 & 41 & 41.9 & 5.5 & 42.0 & 419 & 26.6 & 6.4 & 27.0 & DEC 11 \\ DEC 11 & 32.0 & 4.9 & 32.0 & 41.7 & 17 & 15.5 & 22 & I & 54 & 17 & 39.5 & 4.5 & 38.0 & 0 & 19 & 24.9 & 7.4 & 25.0 & DEC 11 \\ DEC 21 & 32.0 & 4.1 & 32.0 & 40.5 & 80 & 19.2 & 68 & I & 55 & 33 & 40.1 & 4.7 & 39.0 & -10 & 68 & 23.2 & 6.9 & 24.0 & DEC 21 \\ \end{array}$	NOV 1	43.5	3.9	43.0	50.6 65	34.1 73	I	64 65	51.3	5.2	50.0	21 45	36.0	4.5	36.0	NOV 1
$\begin{array}{c} NOV \ 21 & 35, 8 & 4, 0 & 35, 0 & 46, 3 & 33 & 27, 1 & 31 & I & 58 & 49 & 44, 2 & 5, 3 & 44, 0 & 15 & 75 & 29, 1 & 4, 8 & 30, 0 & NOV \ 21 \\ DEC \ 1 & 33, 8 & 4, 1 & 33, 0 & 44, 7 & 39 & 18, 7 & 72 & I & 53 & 41 & 41, 9 & 5, 5 & 42, 0 & 4 & 19 & 26, 6 & 64 & 27, 0 & DEC \ 1 & 22, 0 & 4, 9 & 32, 0 & 4, 1 & 32, 0 & 40, 5 & 80 & 19, 2 & 6A & I & 55 & 33 & 40, 1 & 4, 7 & 39, 0 & -10 & 68 & 23, 2 & 6, 9 & 24, 0 & DEC \ 21 & 32, 0 & 4, 1 & 32, 0 & 40, 5 & 80 & 19, 2 & 6A & I & 55 & 33 & 40, 1 & 4, 7 & 39, 0 & -10 & 68 & 23, 2 & 6, 9 & 24, 0 & DEC \ 21 & DEC \ 21 & AI \ AI$	NOV 11	36.7	4.3	36.0	47.6 34	22.5 55	I	55 53	45.7	4.6	45.0	12 55	31.9	5.6	33.0	NOV 11
DEC 1 33.0 44.7 39 18.7 72 I 53 41 41.9 5.5 42.0 4 19 26.6 6.4 27.0 DEC 1 DEC 11 32.0 4.9 32.0 41.7 17 15.5 22 I 54 17 39.5 4.5 38.0 0 19 24.9 7.4 25.0 DEC 11 DEC 21 32.0 4.1 32.0 40.5 80 19.2 6A I 55 33.0 0 19 24.9 7.4 25.0 DEC 11 JAN 30.4 4.6 31.0 39.5 53 17.4 27 I 49 53 42.7 4.0 43.0 -2 79 15.9 8.7 14.0 DEC 21 MONTH I JAN 30.4 4.6 31.0 39.5 53 17.4 27 I 49.3 36.4 49.0 12.3 23.9 <td>NOV 21</td> <td>35.8</td> <td>4.0</td> <td>35.0</td> <td>46.3 33</td> <td>27.1 31</td> <td>I</td> <td>58 49</td> <td>44.2</td> <td>5.3</td> <td>44.0</td> <td>15 75</td> <td>29.1</td> <td>4.8</td> <td>30.0</td> <td>NOV 21</td>	NOV 21	35.8	4.0	35.0	46.3 33	27.1 31	I	58 49	44.2	5.3	44.0	15 75	29.1	4.8	30.0	NOV 21
DEC 11 32.0 4.9 32.0 41.7 17 15.5 22 I 54 17 39.5 4.5 38.0 0 19 24.9 7.4 25.0 DEC 11 DEC 21 32.0 4.1 32.0 40.5 80 15.2 6R I 55 33 40.1 4.7 39.0 -10 68 23.2 6.9 24.0 DEC 11 DEC 21 32.0 4.1 39.5 4.5 38.0 0 19 24.9 7.4 25.0 DEC 11 DEC 21 32.0 4.1 32.0 40.5 80 15.2 6.7 40.1 4.7 39.5 4.5 38.0 0 19 24.9 7.4 25.0 DEC 11 DEC 21 30.4 4.6 31.0 39.5 53 17.4 37 1 49 53 42.7 4.0 43.0 -2 79 15.9 8.7 14.0 JAN JAN 30.4 44.2 34 25.1 37.0 42.5 10.0	DEC 1	33.8	4.1	33.0	44.7 39	18.7 72	I	53 41	41.9	5.5	42.0	4 19	26.6	6.4	27.0	DEC 1
DEC 21 32.0 4.1 32.0 40.5 80 19.2 68 I 55.3 40.1 4.7 39.0 -10 68 23.2 6.9 24.0 DEC 21 NONTH I JAN 30.4 4.6 31.0 39.5 53 17.4 27 I 49.53 42.7 4.0 43.0 -2.79 15.9 8.7 14.0 JAN FEB 37.2 3.6 37.0 44.2 34 23.1 36 I 57 47 48.3 3.8 49.0 -1 23 23.9 8.8 25.0 FEB MAR 44.9 3.6 44.0 55.9 41 37.3 55 I 70 15 57.7 6.2 57.0 18 60 32.4 5.8 33.0 MAR APE 56.8 4.4 56.6 69.3 34 48.3 70 I 68 34 73.5 7.1 73.0 29.36 42.7 3.8 43.0 APR MAY 67.2 3.6 67.0 77.5 58 60.0 16 I 97.36 32.6 5.3 82.0 41 67 49.7 4.5 49.0 MAY JUN 73.3 3.2 73.0 81.6 61 65.9 81 I 97.12 88.0 3.6 88.0 46 66 56.9 4.5 57.0 JUN MUL 62.3 2.5 83.0 8A.5 60 7.67 7.12 I 102.24 94.4 3.3 94.0 55 55 66.4 4.9 66.0 JUL AUG 81.7 4.0 82.6 90.7 67 74.0 12 I 103.61 93.3 3.5 94.0 49.12 65.5 6.3 66.0 AUG SEP 71.6 4.8 71.0 81.8 67 62.1 41 I 96 38 86.7 5.0 87.0 43.34 54.2 5.3 55.0 SEP OCT 56.4 3.8 55.5 67.4 52 50.5 68 I 83.4 73.1 5.4 74.0 21.35 40.0 5.4 40.0 OCT MOV	DEC 11	32.0	4.9	32.0	41.7 17	15.5 22	I	54 17	39.5	4.5	38.0	0 19	24.9	7.4	25.0	DEC 11
HONTH I I MONTH JAN 30.4 4.6 31.0 39.5 53 17.4 27 I 49 53 42.7 4.0 43.0 -2 79 15.9 8.7 14.0 JAN FEB 37.2 3.6 37.0 44.2 34 23.1 36 I 57 47 48.3 3.8 49.0 -1 23 23.9 8.8 25.0 FEB MAR 44.9 3.6 44.0 55.9 41 37.3 55 I 70 15 57.7 6.2 57.0 18 60 32.4 5.8 33.0 MAR APR 56.6 4.4.4 56.0 69.3 34 48.3 70.5 7.1 73.0 29 36 42.7 3.8 43.0 MAR APR 56.8 4.4.4 56.0 69.0 16 197 36 32.6 5.8 82.0 41 <td>DEC 21</td> <td>32.0</td> <td>4.1</td> <td>32.0</td> <td>40.5 80</td> <td>19.2 6A</td> <td>I</td> <td>55 33</td> <td>40.1</td> <td>4.7</td> <td>39.0</td> <td>-10 68</td> <td>23.2</td> <td>6.9</td> <td>24.0</td> <td>DEC 21</td>	DEC 21	32.0	4.1	32.0	40.5 80	19.2 6A	I	55 33	40.1	4.7	39.0	-10 68	23.2	6.9	24.0	DEC 21
JAN 30.4 4.6 31.0 39.5 53 17.4 27 I 49 53 42.7 4.0 43.0 -2 79 15.9 8.7 14.0 JAN FEB 37.2 3.6 37.0 44.2 24 23.1 36 1 57 47 48.3 3.8 49.0 -1 23 23.9 8.8 25.0 FEB MAR 44.9 3.6 44.0 55.9 41 37.3 55 I 70 15 57.7 6.2 57.0 18 60 32.4 5.8 33.0 MAR APR 56.8 4.4 56.6 69.3 34 48.3 70 I 88 73.5 7.1 73.0 29 36 42.7 3.6 43.0 MAR APR 56.8 4.4 56.6 69.3 34 48.3 70 1 88 34 73.5 7.1 73.0 29 36 42.7 3.6 42.0 APR JUN 73.3 <th< td=""><td>MONTH</td><td></td><td></td><td></td><td></td><td></td><td>I</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>MONTH</td></th<>	MONTH						I									MONTH
GAN 30.4 4.6 51.0 52.1 11.1 11.4 <	1.5.51	z 0 4	4 6	31 0	30 5 53	17 4 37	I	49 53	42 7	4 0	430	- 2 79	15 9	87	1/1 0	10.51
MAR 44.9 3.6 44.0 55.9 41 37.3 55 1 77 15 57.7 6.2 57.0 18 60 32.4 5.8 33.0 MAR APE 56.8 4.4 56.6 69.3 34 48.3 70 1 57.7 6.2 57.0 18 60 32.4 5.8 33.0 MAR APE 56.8 4.4 56.6 69.3 34 48.3 70 1 57.7 6.2 57.0 18 60 32.4 5.8 33.0 MAR MAY 67.2 3.6 67.0 77.5 58 60.0 16 1 97 36 32.6 5.3 82.0 41 67 4.5 49.0 MAR JUS 73.3 3.2 73.0 81.6 61 65.9 81 97 12 88.0 36 88.0 46 66 56.9 4.5 57.0 JUN JUS 73.3 3.2 73.0 81.6 67 71.2	EES	30.7	7.0 7.6	37 0	14.0 XL	24 1 36	T	57 L7	40 3	7.9	40.0	-1 23	23.9	8 A	25 0	EE8
APR 56.8 4.4 56.0 69.3 34 48.3 70 1 68.34 73.5 7.1 73.0 29.36 42.7 3.8 43.0 APR MAY 67.2 3.6 67.0 77.5 58 60.0 16 1 97.36 32.6 5.3 82.0 41.67 49.7 4.5 49.0 MAY JUN 73.3 3.2 73.0 81.6 61 65.9 81 1 97.12 88.0 3.6 88.0 46.66 56.9 4.5 57.0 JUN JUN 62.8 2.5 83.0 88.5 60 76.7 12 1 102.24 94.4 3.3 94.0 55 55 66.4 4.9 66.0 JUN JUL 62.8 2.5 83.0 88.5 60 76.7 12 1 102.61 93.3 3.5 94.0 49.12 65.5 66.3 66.0 JUL AUG 81.7 4.8 71.0 81.8 67 62.1 41 <t< td=""><td>FC:5</td><td>64 G</td><td>3.6</td><td>44.6</td><td>55.9 41</td><td>37 3 55</td><td>Ť</td><td>70 15</td><td>57 7</td><td>6.2</td><td>570</td><td>18 60</td><td>32.4</td><td>5.8</td><td>23.0</td><td>MAR</td></t<>	FC:5	64 G	3.6	44.6	55.9 41	37 3 55	Ť	70 15	57 7	6.2	570	18 60	32.4	5.8	23.0	MAR
MAY 67.2 3.6 67.0 77.5 58 60.0 16 1 97 36 32.6 5.3 82.0 41 67 49.7 4.5 49.0 MAY JUN 73.3 3.2 73.0 81.6 61 65.9 81 1 97 36 82.6 5.3 82.0 41 67 49.7 4.5 49.0 MAY JUN 73.3 3.2 73.0 81.6 61 65.9 81 97 12 82.0 3.6 88.0 46 66 56.9 4.5 57.0 JUN JUL 62.8 2.5 83.0 88.5 60 76.7 12 I 102 24 94.4 3.3 94.0 55 55 66.0 JUL AUG 81.7 4.0 82.6 90.7 67 74.0 12 I 103<61	ΔΡω	56.8	4.4	56.0	69.3 34	48 3 70	Ť	h8 34	73 5	7.1	73.0	29 36	42.7	3.8	47.0	APR
JUN 73.3 3.2 73.0 81.6 61.5 9 E1 97 12 82.0 12 10<	MAY	67.2	3.8	67.0	77.5 58	60.0 16	T	97 36	32.6	5.3	82.0	41 67	49.7	4.5	49.0	MAY
JUL 62.6 2.5 83.0 84.5 60 76.7 12 1 102 24 94.4 3.3 94.0 55 56.4 4.9 66.0 JUL AUG 81.7 4.0 82.6 90.7 67 74.0 12 1 103 61 93.3 3.5 94.0 49 12 65.5 6.3 66.0 AUG SEP 71.6 4.8 71.0 81.8 67 62.1 41 1 96 38 86.7 5.0 87.0 43 34 54.2 5.3 55.0 SEP OCT 56.4 3.8 55.5 67.4 52.9 55.5 1 64 65 52.1 4.8 52.0 12 35 40.0 0 0CT MOV 39.4 2.9 39.0 45.7 54 32.9 55 1 64 65 52.1 4.8 52.0 12 12.5	.105	73.3	3.2	73.0	81.6 61	65.9.81	Ť	97 12	88.0	3.8	88.0	46 66	56.9	4.5	57.9	
AUG 81.7 4.0 82.6 90.7 67 74.0 12 I 103 61 93.3 3.5 94.0 49 12 65.5 6.3 66.0 AUG SEP 71.6 4.6 71.0 81.8 67 62.1 41 1 96 38 86.7 5.0 87.0 43 454.2 5.3 55.0 SEP OCT 56.4 3.8 55.5 67.4 52 50.5 68 I 83 43 73.1 5.4 74.0 21 35 40.0 0CT NOV 39.4 2.9 39.0 45.7 54 32.9 55 I 64 65 52.1 4.8 52.0 12 55 2.2 29.0 NOV	JHI	82.8	2.5	83.0	88.5 60	76.7 12	T	102 24	94.4	3.3	94.0	55 55	66.4	4.9	66.0	
SEP 71.6 4.8 71.0 81.8 67 62.1 41 I 96 38 86.7 5.0 87.0 43 34 54.2 5.3 55.0 SEP OCT 56.4 3.8 55.5 67.4 52 50.5 68 I 83 43 73.1 5.4 74.0 21 35 40.0 5.4 40.0 OCT NOV 39.4 2.9 39.0 45.7 54 32.9 55 I 64 65 52.1 4.8 52.0 12 55 27.5 5.2 29.0 NOV	AUG	81.7	4.0	82.0	90.7 67	74.0 12	ī	103 61	93.3	3.5	94.0	49 12	65.5	6.3	66.0	AUG
OCT 56.4 3.8 55.5 67.4 52.5 50.5 68 I 83 43 73.1 5.4 74.0 21 35 40.0 5.4 40.0 OCT Nov 39.4 2.9 39.0 45.7 54 32.9 55 I 64 65 52.1 4.8 52.0 12 55 27.5 5.2 29.0 NOV	SEP	71.6	4.8	71.0	81.8 67	62.1 41	I	96 38	86.7	5.0	87.0	43 34	54.2	5.3	55.0	SEP
Nov 39.4 2.9 39.0 45.7 54 32.9 55 I 64.65 52.1 4.8 52.0 12.55 27.5 5.2 29.0 NOV	OCT	56.4	3.8	55.5	67.4 52	50.5 68	I	83 43	73.1	5.4	74.0	21 35	40.0	5.4	40.0	OCT
	NoV	39.4	2.9	39.0	45.7 54	32.9 55	I	64 65	52.1	4.8	52.0	12 55	27.5	5.2	29.0	NOV
DEC 32.6 2.6 32.0 38.7 33 25.5 7A I 55 33 44.4 4.5 45.0 -10 68 19.6 7.3 22.0 DEC	DEC	32.6	2.6	32.0	38.7 33	25.5 78	I	55 33	44.4	4.5	45.0	-10 68	19.6	7.3	22,0	DEC

Table 22.—Daily minimum temperature statistics as in table 21 MINIMUM DAILY TEMPERATURE

STATION NUMBER 107386 PRIEST RIVER EXP FOR (CONTROL ST)

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

1931-1977 Except as noted

10-DAY AND MONTHLY PERIOD MEADS I 10-DAY AND MONTHLY EXTREME DAILY VALUES 🧆

				191	2-1983	T									
PERIGO		STU		HIGHEST	LOVEST	Ţ	1912-1982	AVE.	STD.	NEDIAN	1912-1982	AVG.	STD.	MEDIAN	PERIOD
BEGINS	SE AN	DEV.	REDIAN	AVG YR	AVGINE	Ī	HIGH,YR	HIGH	DEV.	FIGH	LOW,YR	LOW	DEV.	LOW	BEGINS
						I							_		
JAN 1	18.4	9.1	20.6	30.6 39	-12.1 79	1	37 53	28.4	5.6	30.0	-28 24	5.5	13.0	8.0	JAN 1
JAN 11	18.4	9.7	15.0	32.0 53	-13.9 16	1	40 20	28.9	5.7	31.0	-29 25	2.3	15.7	5.0	JAN 11
JAN 21	16.5	10.1	17.0	31.7 53	-10.0 57	I	35 74	28.8	7.1	31.0	-33 50	-0.3	14.7	0.0	JAN 21
FEB 1	19.1	8.5	19.0	30.2 78	-6.5 36	1	26 51	29.3	4.9	31.0	-35 33	1.7	15.0	6.0	FEB 1
FEB 11	20.1	8.3	20.0	31.2 58	-12.6 36	I	41 81	30.3	3.6	31.0	-28 36	7.4	12.6	9.0	FEB 11
FE9 21	21.8	6.1	22.5	32.3 76	-5.0 22	I	39 72	30.8	3.6	32.0	-18 18	11.0	9.4	13.0	FEB 21
MA~ 1	21.3	5.1	22.0	29.2 77	6.1 43	1	38 14	31.3	3.1	32.0	-18 45	8.7	9.9	11.0	MAR 1
MAR 11	24.0	4.1	24.0	32.2 72	12.7 65	I	40 41	32.1	2.3	32.0	-7 13	13.6	8.5	16.0	MAR 11
MAR 21	26.0	3.8	50.0	33.6 78	16.3 13	I	41 41	53.5	2.9	33.0	-10 13	16.2	7.3	17.0	MAR 21
APR 1	27.9	3.1	28.0	33.4 40	18.0 36	I	43 41	35.3	3.6	35.0	-1 36	20.5	5.1	22.0	APR 1
APR 11	50.2	2.0	29.0	36.3 26	25.1 51	I	46 38	37.9	3.2	37.0	14 27	23.2	3.2	24.0	APR 11
APR 21	32.1	3.0	31.0	41.4 34	26.0 54	I	55 78	40.6	4.1	41.0	14 23	25.3	3.4	25.0	APR 21
MAY 1	34.8	2.8	35.0	43.6 80	27.0 65	I	53 41	43.1	3.8	43.0	18 54	27.3	3.5	27.0	MAY 1
MAY 11	37.0	2.8	36.0	43.4 57	29.9 43	I	54 41	45.6	4.3	45.0	23 18	29.3	3.4	28.0	MAY 11
MAY 21	40.2	3.1	40.0	48.4 58	30.2 18	1	58 39	49.8	3.9	49.0	23 20	31.7	4.0	31.0	MAY 21
JUN 1	42.9	3.4	43.0	51.1 57	33.0 19	I	59 72	51.1	4.3	51.0	24 18	35.0	3.7	35.0	JUN 1
JUN 11	44.0	2.9	44.0	50.3 74	36.4 19	I	61 63	52.3	3.6	52.0	27 52	35.6	4.1	35.0	JUN 11
JUN 21	44.5	3.3	44.0	55.4 82	38,6 56	I	63 70	53.0	4.3	53.0	31 34	36.7	3.5	36.0	JUN 21
JUL 1	45.4	3.1	44.0	55.6 75	38.9 19	I	62 18	53.7	3.4	54.0	31 79	37.7	3.8	37.0	JUL 1
JUL 11	47.0	5.5	46.0	55.5 75	37.0 13	I	64 75	55.5	4.0	55.0	31 19	39.4	3.6	39.0	JUL 11
JUL 21	46.6	2.7	47.0	52.1 71	38.0 16	I	63 80	54.4	4.5	54.0	29 17	39.3	3.7	39.0	JUL 21
AUG 1	45.5	3.5	45.0	54.9 76	37.6 17	1	63 73	53.5	4.8	53.0	31 14	39.0	3.8	39.0	AUG 1
AUG 11	44.4	5.8	43.0	51.3 79	37.4 13	I	62 32	52.6	4.0	52.0	29 20	37.1	4.0	37.0	AUG 11
AUG 21	43.6	5.9	43.0	51.9 79	35.9 14	I	61 76	52.6	4.2	53.0	26 14	35.7	3.6	36.0	AUG 21
SEP 1	41.3	2.9	41.0	50.6 78	34.6 56	I	60 30	51.0	4.0	51.0	23 21	32.9	3.8	33.0	SEP 1
SEP 11	38.8	3.6	39.0	47.6 40	28.6 12	I	56 75	48.0	3.9	48.0	19 34	30.1	4.5	29.0	SEP 11
SEP 21	36.7	3.8	36.0	45.8 40	26.0 26	I	57 67	46.2	4.8	46.0	16 34	29.1	4.7	28.0	SEP 21
OCT 1.	34.2	3.5	33.0	43.0 51	22.6 16	1	54 29	44.2	4.6	44.0	14 32	26.1	4.1	26.0	CCT 1
OCT 11	32.8	4.2	33.0	41.1 47	23.9 46	I	51 67	42.8	4.4	44.0	15 71	24.5	4.5	24.5	· OCT 11
OCT 21	31.3	3.6	31.0	39.5 73	20.9 35	1	50 37	40.5	4.2	41.0	-5 35	21.9	6.3	22.0	OCT 21
NOV 1	20.2	4.8	28.0	39.8 80	13.7 35	I	46 75	36.3	4.5	37.0	-7 35	19.6	7.6	21.0	NOV 1
NOV 11	27.0	6.2	28.0	36.2 54	3.4 55	I	42 41	35.1	3.2	35.0	-16 55	17.7	10.4	20.0	NOV 11
10V 21	25.0	5.6	25.0	32.8 20	4.0 31	I	45 49	32.4	4.9	32.0	-4 75	15.2	7.9	16.0	NOV 21
DEC 1	24.0	5.2	24.0	31.7 25	-4.0 19	I	41 75	32.5	3.4	32.0	-23 19	12.0	9.6	15.0	DEC 1
9EC 11	22.1	7.6	22.0	33.4 66	-8.0 22	I	39 24	30.6	4.0	32.0	-25 24	11.0	12.5	12.0	DEC 11
DEC 21	21.8	6.5	22.0	32.8 80	3.7 68	I	43 33	30,9	3.7	32.0	-36 68	8.3	11.8	9.0	DEC 21
MONTH						I									MONTH
						I									
JAN	17.7	7.2	18.0	30.2 53	-4.4 37	I	40 20	32.0	3.8	32.0	-33 50	-7.4	12.6	-1.0	JAN
FEB	19.9	5.2	20 . U	29.0 59	1.0 36	I	41 81	33.0	1.5	33.0	-35 33	-2.3	13.3	-0.5	FEB
MAR	23.8	3.1	24.0	29.3 78	15.3 65	I	41 41	34.4	2.1	34.0	-18 45	6.1	9.6	8.0	MAR
APR	29.9	1.9	30.0	34.9 34	25.6 18	I	55 78	41.7	3.6	42.0	-1 36	19.6	4.8	20.0	APR
MAY	37.4	2.0	37.0	43.3 80	31.0 18	1	58 39	50.5	3.4	50.0	18 54	26.3	2.9	26.0	MAY
JUN	43.8	2.2	43.0	49.0 48	36.8 19	I	63 70	55.5	3.3	56.0	24 18	32.9	3.0	33.0	JUN
JUL	46.4	2.0	45.0	54.1 75	40.5 13	I	64 75	57.6	3.4	57.0	29 17	35.8	2.9	36.0	JUL
AUG	44.5	2.4	44.0	49.5 72	39.0 17	I	63 73	56.3	3.3	56.0	26 14	34.2	2.8	34.0	AUG
SEP	38.9	2.4	38.0	46.7 40	31.9 12	I	60 30	52.2	3.3	52.0	16 34	26.9	3.4	26.0	SEP
OCT	32.7	2.6	32.0	38.6 47	25.1 16	I	54 29	46.5	3.1	46.0	-5 35	20.3	5.7	21.0	OCT
NGV	26.7	3.7	27.0	34.0 34	18.6 59	I	46 75	38.1	3.5	38.0	-16 55	10.8	9.6	12.0	NOV
DEC	22.€	3.9	23.0	30.5 25	9.8 27	I	43 33	34.0	3.0	33.0	-36 68	1.5	11.3	3.0	DEC

Table 23.—Mean temperature statistics as in table 21; based on arithmetic average of daily maximum and minimum temperatures

MEAN DAILY TEMPERATURE

STATION NUMPER 107366 PRIEST RIVER EXP FOR (CONTROL STA)

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

1931-1977 Except as noted

		10-9AY	ALD MONT	HLY PERIOD	PEANS	I		10-0	AY AND	MONTHLY	EXTREME DAI	LY VAL	UES		
				1912	-1982	I									
PERIOL BEGIMS	- E A I	STD. DEV.	BEDIAU	HIGHEST AVG (YR	LOKEST AVG .YR	I I	1912-1982 HJGH,YR	AVG. High	STD. DEV.	MEDIAN HIGH	1912-1982 LOW,YR	AVG. Low	STD. DEV.	MEDIAN LCW	PERIOD BEGINS
I VAL	24.1	7.5	25.u	33.9 23	-2.7 79	I I	43 53	32.1	5.3	33.0	-15 79	14.1	10.8	17.0	JAN 1
JAN 11	24.4	7.0	27.0	36.0 53	0.6 16	I	43 53	33.0	5.4	34.0	-14 35	12.0	11.9	13.0	JAN 11
JAN 21	23.6	8.Ú	24.0	35.7 53	0.5 29	I	41 53	33.0	6.8	35.0	-14 50	11.1	11.3	13.0	JAN 21
FEB 1	26.4	6.5	27.0	3E.2 34	5.5 36	I	43 51	34.7	4.5	35.0	-17 33	15.0	12.2	17.0	EEB 1
FEB 11	25.7	6.4	25.0	36.8 58	2.0 36	Ī	45 81	36.0	3.9	36.0	-14 23	19.9	10.4	22.0	FEB 11
FEB 21	30.8	4.6	31.0	37.7 58	13.7 22	I	44 47	36.6	3.9	37.0	4 57	23.3	7.3	25.0	FEB 21
MAR 1	31.4	4.6	31.0	39.1 41	21.4 51	ī	46 14	38.0	3.4	38.0	1 55	23.1	8.4	24.0	MAR 1
MA2 11	24.4	3.5	34.6	43.3 47	27.1 17	ī	49 72	39.9	3.3	39.0	10 13	26.9	6.1	29.0	YAR 11
448 21	37.0	3.9	37.0	45.1 41	27.6 13	Ť	49 41	42.6	3.4	43.0	11 13	30.0	6.4	32.0	2AR 21
APR 1	40.5	3.5	40.0	48.7 25	31.7 36	Ť	56 34	46.1	3.8	46.0	14 36	34.6	4.8	35.0	APR 1
APR 11	43.4	4.0	42.0	54.2 26	36.4 70	т	60.26	40.3	4.5	49.0	29 22	37.1	3.9	37.0	APR 11
APR 21	46.2	3.9	45.0	57.4 34	39.0 54	Ť	6n 39	53.0	5.4	53.0	30 54	39.5	3.7	39.0	APR 21
HAY 1	49.4	3.7	45.0	58.6.66	43.1 50	τ	55 66	56.7	4.5	57.0	34 54	42.5	4.0	42.0	MAY 1
MAY 11	52.1	3.6	51.0	60.7 24	43.4 74	ĩ	58 49	59.6	4.7	59.0	35 19	44.2	3.8	45.0	MAY 11
MAY 21	55.2	3.9	74.0	66.2 58	44.5 20	т	72 72	62.9	4.3	63.0	39 44	46.9	4.1	47.0	MAY 21
JED 1	57.2	3.6	56.1	65.2 69	50.1 30	Ť	73 70	63.6	4.5	63.0	41 66	50.4	4.4	50.0	
JUN 11	58.7	3.6	58.0	69.7 74	52 6 4 2	Ť	74 74	45 3	4.3	65 0	44 54	51.2	L 1	51 0	. JON 11
July 21	69 A	3.5	59.0	68.4 25	54 2 46	Ť	76 73	67 1	4.0	67 0	64 20	52 1	3 8	51 0	. 11/1 21
	62.6	3.6	62.0	74.8 75	55 9 12	Ť	78 75	69.2	7.1	67.0	47 55	55 5	7 Q	54 0	
iu 11	25 1	3+C X X	65 0	79 7 41	55.2.15	т Т	79 75	71 2	34	71 0	47 33	58 1	3.7	50.0	101 11
UL 21	60 a I	3.5	65.0	71 8 71	=7 7 16	Ť	79 02	71 6	3.0	71.0	40 17	20.1	3.0	50.0	101 21
AUG 1	0J.C 7 11 7	2.0	60.0	70 - 71	56 1 60	Ť	79 (1	11.0	3.U V 2	72.0	77 17	50.2	3.0	JO.U EC 0	00L 21
AUC 11	(3.0	7.2	CH 0	70 9 67	55 U 10	± T	70 70	40 5	2 1	70.0		57 /	2.0	57.0	AUG 11
AUC 21	70.0	2.0	CH • U	10.5 15	00.0 10	T T	7. 27	67.0	.) • T	67.0	47 13	57.4	7.0	57.0	AUG II
ACG 21	C1 • T	3.2	50.0	CC - 2 (7		1 T	10 01		0.0	67.0	40 12	50.7	2.7	54.0	406 21
SEP I	70 • G	3.3	50.0		47.0 21	1	/4 30 /8 75	60.1	4.0	63.0	40 21	51.6	4.0	51.0	SEP 1
SEP 11	54.6	0+0	54.0	12.6 30	44.7 60	1		61.9 E7 0	4 a 1	53.0		40.9	4.6	47.0	SEP II
SEP 21	52.2	4.7	32.U	51.0 0.03	41.7 2b	1 T	12 61	27.9	5.1	28.0	33 34	40.0	5.8	45.0	SEP 21
0CT 11	40.2	3.0	40.0	59.7 43	40.1 16	1	63 43	54.4	4.2	54.5	30 19	41.3	5.4	41.0	
	4 J + 1	3.0	40.0	51.5 44	00.0 10	1	57 44	CI.D	3.0	52.0	28 17	38.3	3.3	38.U	001 11
OCT 21	40.8	3.4	41.0	49.5 37	29.9 19	1	57 60	47.6	4.4	47.5	9 35	32.9	5.8	34.0	001 21
NOV 1	50.9	5.8	20+0	43.6 80	24.7 35	1	04 /D	42.0	4.1	42.0	9 35	23.9	5.8	30.0	NUV 1
NOV II	34.3	D • U	30.U	40.9 54	12.9.55	1	45 62	27.5	5.4	40.0	0 55	25.6	7.9	27.0	NOV 11
NUV ZI	30.4	4.3	30.0	38.0 49	15.9 31	1	01 49 UK 49	3/./	4.8	37.0	6 /5	22.4	6.1	23.0	NOV 21
DEC 1	20.9	4.4	28.0	37.9 39	7.5 19	1	46 41	36.6	4.2	36.0	-9 19	19.5	/ • /	21.0	LEC 1
DEC 11	2/.1	6.1	27.0	35.0 66	3.4 22	1	45 24	34.4	3.1	34.0	-12 19	18.0	9.9	19.0	DEC 11
DEC 21	26,9	5.1	27.0	36.7 80	11.5 68	1	49 35	34.8	5.8	34.0	-23 68	15.9	9.0	17.0	DEC 21
MONTH						I									MONTH
10.0	24 0	5.8	24.0	34.8 53	6537	1 T	43 53	36 4	3 3	37 0	-15 79	цq	10 4	3 0	100
EFR	28.5	1 3	29 0	35 5 58	12 0 34	Ť	45 91	38 4	2.6	ZQ 0	-17 33	11 0	10.9	15 5	
VAD.	34 1	3 0	34 0	41 5 41	26 7 55		40 72	L X 1	z.0	UZ 0	1 55	20 0	2 1	12.2	FLD MAD
100	43 4	2.7	430	50 1 74	X0) 55	Ť	66 79		5.0	= 3 • 0 = 0	10 34	77 5	0+1	20:0	
SIA Y	52 2	2.6	52.0	56.3.59	46 0 16	T	70 70	0 	3.0 X 6	60 0	14 JO X4 50	70°0	7.0	400	APR
- H IN	58 4	2 7	58 0	63.1 74	-TO . U ID	T	76 73	69.1	3.0 X 1	29.0	24 24 41 66	47 0	Z • 0	40.0	PLAT
10010	20.6	1 9	44 D	70 4 75	60 0 17	T	70 75	77 7	2.5	770	91 66 UZ EE	+/.J	3.0	54 0	JUN
AUG	43 1	2 7	67.0	69 7 61	57 4 10	1	79 70	71 5	Z.0	73.0	4/ 33	52 0	3.3 X 1	54.0	JUL
SED	55 Z	2.0	55.0	61 7 20	48 3 34	T	70 51	66 0	7 4	66 0	70 12 77 7/1	17 5	2.0	53.0	AUG
OCT	100.0 111 C	2.0	цц П	01 • / JO	TO . C 20	Ť	63 113	55 5	2.0	66.U	33 34 0 XE	70 0 X0 /	ು.ರ ೯ ೯	74.0	SEP
NOV	7,00	3 1	32.0	36.7 34	25 8 55	Ť	54 75	L X X	3.7	430	7 35	10 0	7 2	21 0	
DEC	27 4	3.1	28.0	33.6.25	17.8.20	Ť	49 33	30 0	3 5	38 0	-23 49	10.9	q 1	12 0	DEC
	21.0	0.1		00.0 20	1,00 52	+	1 35	VC e T	0.0	00.0	- 23 00	TASA	101	TCOU	

 Table 24.—Frequency distribution of daily maximum temperatures at Priest River Experimental Forest control station; based on years 1931-77 and 24-hour period ending at 5 p.m. P.s.t.

МАХІ	[M U M	D	AII	- Y	TEN	IPE	RA	TUR	ε				PERCE	INTAGE VEN TO	FREG TENT	QUENCI THS PE	DIST RCENT	RIBUT	ION C	F DAI POINT	LY VA Omit	LUES	
STATI	ON NUME	3EP	10738	36	PRIES	ткіл	ER E	P FOF	(CO)	TROL	STN)									1	931 - 1	.977	
PRD. Begins	BEL OW D	С ТО 4	5 Tu	19 TO 14	15 TO 19	20 T0 24	1 25 T0 29	TEMPEF 30 TO 34	RATURE 35 TO 39	E RANG 40 TO 44	45 TC 49	50 TO 54	55 TO 59	60 To 64	65 T0 69	70 TO 74	75 TO 79	80 TO 84	85 T0 89	91 TO 94	95 TO 99	100 AND Above	PRD. Begins
JAN 1 JAN 11 JAN 21 FEB 1 FEB 1 FEB 21 MAR 11 MAR 11 MAR 21 APR 1 APR 1 APR 1 APR 1 MAY 11 MAY 21 JUN 1 JUN 1 JUN 1 JUN 1 JUN 1 JUN 1 JUL 1 JUL 21		4 13 4 4	13 15 19 6 6	40 21 37 13 9	64 68 70 23 11 2	87 89 49 19 26 13	183 168 98 51 23 6 6 2	317 281 221 187 113 104 21 23 2	217 232 321 360 245 240 138 79 11 2	64 89 114 226 291 385 242 113 77 19 6 2 2	11 175 555 98 147 240 1661 36 26 2 2 2	11 34 70 119 166 238 217 145 70 351 15 6	5 36 47 112 1855 168 1322 966 38 34 9 2	6 21 74 109 160 174 155 155 155 109 87 23 11 2	19 21 74 140 149 206 1809 164 149 28 41	26 66 77 155 166 203 232 232 190 166 91 35	2 38 51 115 145 175 181 200 175 202 106	11 28 34 663 983 1880 236 236	26 11 322 85 130 1828 130 284	2 10 4 32 38 94 250	4 2 2 17 49 43	2 2	JAN 1 JAN 21 FE8 11 FE8 11 FE8 21 MAR 11 MAR 21 APR 3 APR 3 APR 3 APR 3 APR 3 APR 1 MAY 11 MAY 11 JUN 21 JUN 11 JUL 11 JUL 11 JUL 21
AUG 1 AUG 11 AUG 21 SEP 1 SEP 11 SEP 21 OCT 1 OCT 11 OCT 21 NOV 1 NOV 11 NOV 21 DEC 1 DEC 11 DEC 21	4	2	64	6 11 13 4	11 6 15 28 27	4 23 19 87 93	11 26 96 170 170 184	20 62 153 313 323 328 318	2 59 191 336 291 249 258	2 15 33 143 272 291 164 98 98 78	6 28 25 117 261 287 121 68 51 21 29	2 2 34 77 235 210 138 23 15 2 2	2 2 15 313 138 191 224 143 28 4 2 2 2 2	9 19 58 700 153 146 200 123 9	19 32 114 136 149 144 152 126 34	74 79 128 168 172 163 152 54 4	160 149 182 200 168 155 98 7	236 230 203 213 160 103 22 2	279 283 186 119 55 30	191 149 89 51 13 6	23 55 23 6	6	AUG 1 AUG 11 AUG 21 SEP 1 SEP 1 SEP 1 OCT 1 OCT 11 OCT 21 NOV 1 NOV 1 DEC 1 DEC 11 DEC 21
MONTH																							MONTH
JAN FEB MAR APR JUN JUN		72	16 5	33 8	67 12 1	81 32 4	173 59 14 1	288 178 49 1	228 336 150 4	90 235 304 70 3	18 97 236 162 21 1	36 127 214 82 14	2 67 191 129 46 3	35 148 163 101 12	14 107 178 174 43	56 176 218 95	30 145 185 159	13 65 136 237	3 32 98 235	4 25 178	1 1 36	`	JAN FEB MAR APR JUN JUL
AUG SEP OCT						1		7	22	1 66	11 158	1 38 194	7 94 185	30 117 155	57 143 102	95 168 68	164 174 34	222 159 8	247 68	141 23	34 2	2	AUG SEP OCT
NOV	1	1	3	2 9	6 23	13 67	44 175	176 323	277 266	243 91	159 34	67 5	11 1	3									NOV

Table 25.—Frequency distribution of daily minimum temperatures as in table 24

MIN	тмим	D	AI	ĻΥ	ŦΕ	мре	RA	TUR	ε						5							
													-GIV	EN TO	FREG	HS PE	RCENT	, DEC	ION OF	POINT	OMITTED	
STAT	ON NUM	εF	10738	6	PRIES	л чт	ER EX	P FOR	(CO)	TROL	ST№)									1	931 -1 977	
PRD. Begins	BELOW O	ი Тე 4	5 10 5	10 TO 14	15 TO 19	20 TC 24	25 T0 29	30 T 0 34	TE 35 TO 39	(NPER/ 40 TO 44	1108E 45 10 49	RANGE 50 TO 54	55 TO 59	60 T0 64	65 T0 69	70 TO 74	75 T0 79	80 TO 84	85 TO 89	90 TO 94	95 100 To AND 99 ABOVE	PRD. Hegins
JAN 1 JAN 1 JAN 21 FEB 1 FEB 1 HAR 1 HAR 1 HAR 1 HAR 1 HAR 1 APR 1 APR 1 APR 1 APR 1 APR 1 APR 1 APR 1 APR 21 JUN 1 JUN 1 JUN 1 JUN 1 JUN 11 JUN 21 JUN 1 SEP 2 SEP 2 SEP 1 SEP 2 SEP 1 SEP 2 SEP 2 SE	100 117 126 96 61 32 30 13 10 2 2 4 13 17 23 34 37	55545246 508172122 6511178 355	66 51 950 410 623 156 24 17 281 43	647 87 1183 1002 977 553 13 24032 553 83 475583	121 115 97 1263 1666 1066 85 21 4 4 4 2 27 24 8 72 100 107	206 122 187 1832 200 1955 115 74 155 2 115 2 115 2 116 37 2 125 3 160 215 190	22212222222222222222222222222222222222	165534852222331456162226894917229451222223332218633686224991729452142324794521441	113 4 28 1158 4 91008 102995117 125088319439354 1102222210 125088319439354 110222222 1102365 11022222 1102365 110368 110439354 110 11058 110	2 27 3 91 1 53276 3 2 2 2 577 1 7 17 5 1 5 5 1 5 4 6 4	231 2517 126032693 32609 32567 22809 1600 5622 2 2 3 3 3 2 7 0 9 5 6 2 2 2 2 2 2 3 3 3 2 7 0 9 0 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2	2 4 28 71115 1663 2623 143 2623 143 2623 143 22 2 2 2 2	15 340 45 77 49 40 228 4 40 28 4	2 2 11 2 26 14 15 4 6	2							JAN 1 JAN 1 JAN 21 FEB 1 FEB 1 MAR 1 MAR 1 MAR 1 APR 1 MAR 1 APR 1 JUN 1 SEP 1 NOV 1 NOV 1 NOV 1 NOV 1 NOV 1 NOV 1 DEC 1 DEC 1 DEC 1
MONTH																						MONTH
JAN FEB MAR APR AAY JUN JUL AUG SEP OCT	113 65 17 1	51 39 13 1	71 56 32 2	91 92 99 4	111 131 119 23 1 1	160 184 197 115 5	208 220 290 348 105 4 20 227	185 208 246 296 238 60 15 36 177 276	10 55 153 282 197 99 158 260 218	1 48 218 275 266 317 251 118	9 108 283 321 297 147 46	1 36 140 217 146 56 8	5 36 68 38 1.3	5 14 8	1							JAN FEB MAR APR JUN JUL AUG SEP OCT

Table 26.-Dry bulb temperature (°F) observed at 3 p.m. P.s.t. at fire-weather stations in Priest River Experimental Forest. Data are for complete 20 years, 1951-70, at clearcut station; for indicated numbers of years at Gisborne Lookout

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DRY BULB TEMPERATURE

STATION NUMPER 100205 PRIEST RIVER EXP FOR (CLEARCUT)

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STATION	NUMPER	10020	5 PRI	EST RIVER E	XP FOR (CL	EARCI	LT)						1951	L -1 970	
	t	10-DAY	AND HUNT	HLY PERIOD	MEANS	I I		10-0/	AY AND	MONTHLY	EXTREME DA	ILY VAL	UË S		
PERIOD		STD.		HIGHEST	LOWEST	I		AVG.	STD.	MEDIAN		AVG.	STD.	MEDIAN	PERIOD
BEGINS	PIE A.P.	DEV.	MEDIAN	AVG .YR	AVG .YR	I	HIGH,YR	HIGH	DEV.	HIGH	LOWAYR	LOW	DEV.	LOW	BEGINS
MAY 1	60.1	6.4	58.5	73.1 66	50.7 63	I	87 66	72.8	7.5	71.5	40 67	47.8	6.0	46.5	MAY 1
MAY 11	64.2	5.0	65.0	72.3 58	54.8 60	I	85 54	78.1	5.1	78.5	35 55	48.9	6.1	48.0	MAY 11
MAY 21	65.8	6.1	65.5	78.9 58	56.5 55	I	90 58	79.1	5.7	79.5	39 60	51.2	6.4	51.0	MAY 21
JUN 1	69.4	6.1	67.5	80.4 69	59.7 54	I	90 70	81.1	5.4	81.0	45 66	56.0	7.3	56.0	JUN 1
JUN 11	70.6	6.5	67.5	83.1 61	61.6 54	I	94 61	82.7	5.6	82.0	48 57	57.6	6.0	56.0	JUN 11
JUN 21	70.6	5.4	70.0	79.0 70	60.4 69	I	91 58	82.1	6.2	81.0	47 68	55.9	5.8	55.5	JUN 21
JUL 1	76.2	5.6	75.5	88.9 68	66.8 55	I	96 64	88.5	3.8	88.0	50 66	62.2	8.5	62.5	JUL 1
JUL 11	80.9	5.2	79.5	92.4 GU	73.4 68	I	101 60	91.0	4.6	92.0	59 65	68.8	7.0	69.5	JUL 11
JUL 21	81.9	4.7	82.0	87.7 60	72.9 70	I	97 59	90.4	4.5	91.0	54 54	68.9	8.5	68.5	JUL 21
AUG 1	80.8	5.3	81.5	88.7 61	71,1 57	I	104 61	90.8	5.3	91.5	54 56	67.6	7.7	67.0	AUG 1
AUG 11	80.4	6.7	80.5	95.8 67	65.9 69	I	99 67	89.8	4.8	90.5	54 68	69.1	9.7	69.5	AUG 11
AUG 21	74.3	6.9	74.0	86.5 70	60.5 60	I	98 58	87.4	7.8	86.5	52 64	60.4	7.2	59.0	AUG 21
SEP 1	73.8	6.3	73.0	85.4 63	63.9 64	I	92 58	83.8	5.4	84.0	50 62	61.1	8.8	60.5	SEP 1
SEP 11	68.6	6.9	69.0	78.3 56	54.7 65	I	90 53	81.4	6.6	83.5	41 65	53.9	5,5	53.5	SEP 11
SEP 21	65.9	3.0	64.0	79.3 52	53.9 61	I	91 66	76.4	8.3	76.0	43 59	52.7	€.9	51.0	SEP 21
OCT 1	59.2	5.4	58.5	69.1 52	51.2 57	I	79 63	71.1	6.1	73.0	39 59	47.2	5.5	46.5	OCT 1
OCT 11	54.4	5.0	55.0	64.5 63	42.9 51	I	74 63	63.8	7.3	66.5	33 51	44.7	4.1	45.0	OCT 11
OCT 21	47.5	5.2	48.5	59.1 65	37.1 51	Ι	68 60	57.5	7.2	57.5	27 57	40.3	6.2	40.5	OCT 21
MONTH						I									MONTH
						I									
MΑY	63.5	4.2	62.5	74.2 58	56.8 55	I	90 58	81.9	4.1	82.5	35 55	44.5	4.0	45.0	MAY
JUN	70.2	3.8	69.5	78.8 61	63.5 53	I	94 61	66.3	4.2	87.0	45 66	51.0	3.5	50.0	របម
JUL	79.7	3.1	80.0	87.7 60	75.5 55	I	101 60	93.2	3.3	93.5	50 66	58.8	6.0	58.5	JUL
AUG	78.4	4.8	78.0	P8.2 67	70.7 64	π	104 61	93.6	4.2	94.0	52 64	57.8	5.4	56.5	AUG
SEP	69.4	5.1	68.5	78.9 67	61.3 59	I	92 58	85.7	5.0	86.5	41 65	49.3	4.0	50.0	SEP
OCT	53.6	3.9	52.5	59.9 53	45.0 51	I	79 63	71.7	5.2	73.0	27 57	38.8	4.7	39.0	OCT

DRY BULB TEMPERATURE

MEAN, STANDARD DEVIATION, AND EXTREME VALUES

STAT	TICN N	UNBEP	10020	GIS	BOBNE LOOKO	DUT								195:	1-1970	
		1	0 - ['AY	АНО ЛОМТ	HLY PERIOD	MEANS	I I I		10-0	AY AND	MCNTHLY	EXTREME DAD	ILY VAL	UES		
PERIOD BEGINS	rvUi∝. ¥RS	LEAN	STD. DEV.	MEDIAN	HIGHEST AVG,YR	LOWEST AVG + YR	I	HIGH,YR	AVG. HIGH	STD. DEV.	MEDIAN HIGH	LOW,YR	AVG. Low	STD. DEV.	MEDIAN LCW	PERIOD BEGINS
JUL 1 JUL 11 JUL 21 AUG 1 AUG 21	19 20 20 20 20	63.2 68.1 68.9 67.5 67.4 64.1	5.9 5.1 5.0 5.4 6.6 8.0	64.0 67.5 69.0 68.0 67.0 63.0	75.3 68 80.3 60 77.5 62 76.1 61 83.1 67 75.8 70	52.8 55 60.0 68 59.5 70 57.0 62 52.6#68 46.0#60	I I I I I I	85 64 87 70 86 59 93 61 87 67 87 69	76.0 78.7 78.2 79.3 77.4 76.9	4.4 4.9 4.8 5.3 4.8 11.0	76.0 79.0 79.0 80.0 76.5 80.5	39 66 45 57 38 54 40 56 41 64 38 60	48.6 56.0 55.7 54.1 55.7 50.9	6.6 6.7 9.6 7.8 9.5 8.6	49.0 55.5 55.0 54.5 55.5 52.0	JUL 1 JUL 11 JUL 21 AUG 1 AUG 11 AUG 21
MONTH JUL AUG		66.24	3.3 4.5		74.8 60 75.8 67	61.8 55 57.2 64	I I I I	87 70 93 61	81.4 82 .1	3•3 4•4	82.0 62.0	38 54 38 60	46•1 47•0	4.7 5.8	46.0 45.5	MONTH JUL AUG

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INCLUDES ESTIMATE FOR DAYS WITH MISSING DATA * VALUE DERIVED FROM THE THREE 10-DAY MEARS @ PRECEDING VALUE ADJUSTED TO COMPLETE 20-YEAR PERIOD

RELATIVE HUMIDITY

MEAN, STANDARE DEVIATION, AND EXTREME VALUES

STATIO	1 NUMBER	10020	5 PPI	EST PIVER E	XP FOR (CL	EARC	UT)						1951-:	1970	
		10-DAY	AND MOLT	HLY PERIOD	MEANS	I			10-DA)	Y AND MON	THLY EXTREM	ES			
PRD.	*Fat	STD.	MEDIAN	HIGHEST	LOWEST	Ī	HIGH.YR	AVG. HIGH	STD.	MEDIAN	I OU, YR	AVG.	STD.	MEDIAN	PRD.
Cotino	- CAR	0000	CO THU	HACALL	AVUTIN	Ť	172011011		0674		LOATIK	LOA	DCA.	LUN	520143
*AY 1	45.1	12.1	44.5	72.8 61	27.5 66	Ī	100 67	76.8	14.7	78.0	10 66	24.4	9.2	23.0	MAY 1
AY 11	42.9	9.6	41.0	57.1 ó0	27.7 64	I	100 61	77.7	16.1	81.5	11 58	20.7	5.5	20.0	MAY 11
MAY 21	44.3	7.3	42.5	61.5 53	32.2 63	I	54 69	20.4	12.0	82.0	15 66	22.2	4.0	21.0	EAY 21
JUN 1	44.4	10.3	45.0	62.4 53	22.2 45	I	94 57	74,9	18.6	0.03	8 65	23.9	7.5	23.5	JUN 1
JUN 11	44.6	9.5	42.0	61.3 70	29.4 69	I	94 70	73,9	17.4	82.0	17 66	25,1	4.5	24.5	JUN 11
JUN 21	43.7	11.4	39.5	69.6 69	27.1 62	I	100 53	76.3	19.5	83,5	17 70	24.1	5.5	24.0	JUN 21
JUL 1	39.4	8.5	39.0	52.0 69	22.8 68	I	54 69	68,6	19.9	72.0	17 67	22.8	4.6	23.0	JUL 1
JUL 11	32,9	6.0	33.5	43.0 56	21.0 60	I	89 65	55,6	19.7	52.0	14 60	21.0	3.7	22.0	JUL 11
JUL 21	29.3	7.1	27.0	46.5 55	19.4 56	I	94 70	56.2	22,5	48.5	11 53	17.7	3.7	17.0	JUL 21
AJG 1	31.9	9.1	20.5	51.6 62	20.4 59	I	94 53	62.1	20.7	64.5	5 61	17.0	4.6	16.5	AUG 1
AUG 11	30.2	10.1	27.5	57.3 68	12.9 67	I	94 59	55.0	22.0	49.0	9 67	16.5	3.1	16.5	AUG 11
AUG 21	37.8	12.9	35.5	61.5 54	20.5 47	I	94 65	68.6	24.2	73.0	966	20.7	8.3	19.0	AUG 21
SEP 1	35.3	9.3	34.5	53.4 70	22.4 67	I	100 70	66.0	21.2	63.5	13 67	20.1	5.1	21.0	SEP 1
SEP 11	42.4	13.1	40.0	71.0 59	27.1 51	I	94 59	75.3	17.6	80.5	11 68	21.8	6.3	20.5	SEP 11
SEP 21	45.5	12.3	46.0	69.0 59	20.5 67	I	94 69	27.6	19.6	0,85	7 67	25.9	7,9	26.5	SEP 21
OCT 1	54.8	12.6	55.0	87.8 51	36,3 66	I	100 69	68.1	12.8	93.0	19 52	30,8	12.3	28.0	OCT 1
OCT 11	58,9	13.0	56.0	89.4 51	33.8 69	I	100 70	86.8	10.6	39.5	21 69	37.5	11.5	34.0	0CF 11
OCT 21	70.0	9.7	72.0	90.6 51	48.3 65	I	100 70	93,0	7.8	93.0	28 65	45.4	13.0	45.0	OCT 21
нтион						I									MONTH
		<i>(</i> 1	1.7 E	EC ((1	70 0 00	1 7	100 47		<i>(</i>)	c 2 0			7 0		BAV
*54LT	44.1	5.1	43.5	38.6 61	34.6 58	T	100 67	07,0	6.2	92.U	10 66	10.7	3.8	10.0	MAY
104	44.2	D+4	44.0	0/04 03 17 7 55	34.5 60	1 T	100 23	70.1	4.8	7U.3		17.0	4.9	10.0	JUN
30L	33.7	4.7	33.0	43+7 00	23.9 60	1	94 70	00.0	10.0	07 5	11 53	11.0	3.3	16.5	JUL
A00	23.5	3.0	31.5	4/01 64	17.0 (7	1 T	100 70	02.0	14.8	07.0	2 61	17.0	3+6	10.0	AUG
OCT	41+0	1.0	40.C	50.0 39	24.7 6/	Ť	100 70	07.7	7 + 1	73.U	10 50	20.0	~+D	1/.0	SEP
CCI	61.2	7.5	29.2	57.3 51	⊃U•3 6è	1	100 /0	76.0	5.7	20.2	19 52	25.0	7.8	26.0	OCT

RELATIVE HUMIDITY

HEAN, STANDARD DEVIATION, AND EXTREME VALUES

STAT	107 U	U"BEP	10020	2 GIS	BORNE LOOKO	TUT								1951	+1970	
		1	0+DAY	A D BONT	HLY PERIOD	MEANS	I		10-0	AY AND	MONTHLY	EXTREME DA	ILY VAL	.UES		
PERIOD Begins	aL⊺. YkS	Í EAS	STC. DEV.	YEDIAN	HIGHEST AVG+YP	LCAEST AVG+1R	I I I	HIGH, YP	ÁVG. ⊢IGH	STD. DEV.	MEDIAN. High	LOW+YR	AVG. Low	STD. DEV.	MEDIAN LCW	PERIOD BEGINS
JUL 1 JUL 11 JUL 21 AUG 1 AUG 11 AUG 21	19 20 20 20 20	53.3 452.0 44.5 44.5 53.3	11.1 9.7 10.9 13.6 13.8 16.4	53.0 46.0 40.5 43.5 43.0 45.5	72.4±55 62.0 57 70.3 55 76.9 57 67.5±6d 75.0±60	31.3 68 24.4 60 28.3 51 28.9 67 16.6 67 16.5 70	I I I I I I	100 66 100 65 100 70 100 64 100 68 100 64	85.3 69.6 73.5 73.2 74.9	14.2 19.5 23.5 20.3 21.9 24.4	85.0 74.0 63.5 70.5 73.0 75.0	18 52 15 60 18 60 10 70 9 70 7 70	31.3 27.8 25.8 26.5 25.4 28.8	10.0 6.7 4.5 10.1 9.1 13.8	31.0 25.0 26.5 26.5 24.0 25.5	GUL 1 GUL 11 GUL 21 AUG 1 AUG 11 AUG 21
%0°!T⊢							I I									МОМТН
JUL AUG		46.8*	8.0 11.3		64.3 55 67.1 57	30,4 60 23,6 57	I I I	100 70 100 65	90.3 89.6	12.6 13.3	93.0 97.0	15 60 7 70	22.7 22.1	5.0 8.1	22.0 22.0	JUL Aug

INCLUDES ESTIMATE FOR DAYS WITH MISSING DATA * VALUE DERIVED FROM THE THREE 10-DAY REAMS 2 PRECEDING VALUE ADJUSTED TO COMPLETE 20-YR PERIOD

Table 28.—Frequency distribution of dry bulb temperatures (°F) observed at 3 p.m. P.s.t.

DRY BUL	B TEMPER	ATURE											PERC		E FRE	QUENC	Y DIS	TRIBU	TION	OF DAI			
STATION	NUMBER	T005	05	F	PRIEST	RIV	ER LX	P FOR	(CL	EARCU	тэ		- 01	vens 1	0 20	ins r			CINAL	1	.951-:	1970	
											TEMP	ERATU	RE RA	NGE									
PRD. BEGINS	о то 4	5 TU 9	1 T 1	0 0 4	15 TO 19	21) TO 24	25 TO 29	30 TO 34	35 10 39	40 TO 44	45 TO 49	50 TC 54	55 10 59	60 10 64	65 T 0 69	70 TO 74	75 To 79	80 TO 84	85 TO 89	90 To 94	95 TO 99	100 AND ABOVE	PRD. Begins
MAY 1 MAY 11 MAY 21 JUN 1 JUN 1 JUN 1 JUN 21 JUL 21 JUL 21 JUL 21 JUL 21 AUG 1 AUG 21 SEP 1 SEP 1 SEP 21 JCT 1 OCT 11 OCT 21							5	10 18	5 5 12 7	40 20 14 5 5 30 5 191	110 85 36 25 10 10 55 145 195 245	245 120 95 80 55 50 30 5 10 36 30 90 5 145 02 30 0 236	140 120 159 655 100 70 50 10 105 355 170 145 210 195	85 1352 160 170 155 60 30 277 300 40 700 1300 175 140 115 45	135 140 168 140 135 140 110 75 35 150 135 100 135 100 95 27	135 175 165 205 170 135 73 110 109 168 190 140 115 135 40	70 1355 1055 1455 145 145 1500 1500 175 177 175 1400 1200 75	35 60 115 215 240 250 240 240 123 160 155	5 23 45 100 90 125 185 275 105 105 55 35	5 55 200 1355 1450 68 50 55	5 303 25 60 23	5	MAY 1 MAY 1 MAY 21 JUN 1 JUN 1 JUN 1 JUN 1 JUL 1 JUL 1 JUL 1 JUL 1 JUL 1 AUG 1 AUG 1 SEP 1 SEP 1 SEP 1 SEP 1 OCT 1 OCT 1 OCT 1
момтн																							MONTH
MAY JUNE JUL AUG SEP							3	10	3	24	76 13 22	152 62 11 18 75	140 78 23 42 123	118 162 39 50 135	148 145 77 89 123	161 177 124 127 148	103 172 152 168 145	61 -100 235 205 140	11 78 197 161 65	2 13 121 103 20	19 35	2 2	MAY JUN JUL AUG SEP

ORY BU	ILB TEMPERA	TURE										PERCE -GIV	INTAGE 'EN TO	FREQ TENT	UENCY HS PE	DIST	PIBUT , DEC	ION O IMAL	F DAI Point	LY V OMI	ALUES TTED	
STATIC	NUMBER	1002	12	GISBO	RNE L	.00K0U	T												1	951-	1970	
										TEMPE	RATUR	E RAN	IGE									
	. J	5	10	15	5.0	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
PRD.	TO	TO	ΤO	τo	τO	TO	ТС	TO	TO	ΤÇ	T C	TO	10	то	ΤO	TO	TO	то	IO	TO	AND	PRD.
BEGINS	έţ	9	14	19	24	23	34	39	44	49	54	59	64	69	74	79	84	89	94	99	ABOVE	BEGINS
Jul 1								16	32	53	111	163	116	174	168	121	37	5				JUL 1
JUL 11										20	55	105	160	160	225	180	80	15				JUL 11
JUL 21								5		32	50	41	127	195	282	200	64	5				JUL 21
AUG 1									20	30	55	70	155	215	550	155	60	15	5			AUG 1
AUG 11									15	56	31	71	128	214	255	133	66	31				AUG 11
A:JG 21	(12 YRS)							15	38	53	75	113	195	135	128	135	68	45				AUG 21
MONTH																						мситн
Jan								7	1 0	36	70	100	134	177	228	169	61	8				JUL
AUR	(12 YES)							4	23	45	51	81	155	195	210	142	64	28	2			AUG

Table 29.—Frequency distribution of relative humidity (percent) observed at 3 p.m. P.s.t.

RELATIV	E HUMIDI	ΤY										PERCE -GIV	E TAGE	FREG Tent	UENCY HS PE	DIST	RIBUT	IOH O IMAL	F DAI Point	LY V∧ O∾IT	LLES TER	
STATION	NUMBER	100	205	PRI	EST RI	VER EX	P FOR	CLE	EARCU1	1)									1	951-1	970	
										HeF I	DITY	RANGE										
PRD. BEGINS	t) T () r1	Т	5 1 C T S 1	0 1 C TI H 1	20 70 70 24	25 TO 29	36 TO 34	35 T0 39	40 TO 44	45 TC 49	50 T0 54	55 TO 59	60 TO 64	65 TO 69	70 TO 74	75 TO 79	80 TO 84	85 TC 89	90 To 94	95 Tü 99	100	PRD. Hegins
MAY 1 MAY 11			1	5 5) 101 5 175	141 190	111 115	60 90	55 75	101 70	65 55	60 45	40 30	50 40	20	40 25	30 30	20 30	30 35		10 5	MAY 1 May 11
MAY 21 JUN 1 JUN 11 JUN 21			5	33 5 31 11 31	2 86) 90) 65) 75	159 95 150 155	145 160 125 220	118 115 155 85	73 130 115 70	64 65 85 70	59 25 70 40	55 40 15 65	23 50 45 25	23 55 30 15	23 25 35 20	50 45 10 20	27 25 45 40	36 20 20 40	27 20 25 25		5	JUN 1 JUN 1 JUN 11 JUN 21
JUL 1 JUL 11 JUL 21			1	61 0 7 8 17) 105 195 250	175 205 205	180 230 150	130 95 68	100 35 36	25 50 18	35 25 9	40 20 9	40 15 18	15 5 5	10 25 5	25 10 5	20 9	30 10 14	10 5			JUL 1 JUL 11 JUL 21
AUG 1 AUG 11 AUG 21			52 57 54	0 200 0 143 5 114	185 275 145	195 175 159	100 95 114	65 35 55	60 40 64	20 50 45	25 10 41	25 25 50	25 5 41	20 15 14	20 36	5 30 5	20 10 14	5 27	5 15 27			AUG 1 AUG 11 AUG 21
SEP 1 SEP 11 SEP 21			2 1 5 1		0 175 0 115 0 85	155 180 130 70	165 130 130	95 105 90	60 125	40 40 75	45 50 45 75	15 30 65	30 15 25	5 35 30 50	15 45 15	20 35 40	15 25 15	40 30 40	25 60		10	SEP 11 SEP 21
OCT 11 OCT 21					20	20 9	80 23	125 27	80 18	60 77	68	90 59	60 109	55 95	80 82	35 77	60 100	75 64	65 141		30 50	OCT 11 OCT 21
HONTH																						MONTH
MAY JUN JUL			2 1	5 43 2 20 0 109	5 120 5 77 5 185	134 133 195	124 168 185	90 118 97	68 105 56	78 73 31	60 45 23	53 40 23	31 40 24	37 33 8	21 27 13	39 25 13	29 37 10	29 27 18	31 23 5		5 2	MAY JUL
AUG SEP OCT			5 4 2 1	5 152	200 125 24	176 155 32	103 142 76	52 97 76	55 83 68	39 52 60	26 47 69	34 37 61	24 25 76	16 23 68	19 25 71	13 32 58	15 18 60	11 28 60	16 28 102		3 39	AUG SEP OCT

RELATI	IVE HUMIDIT	Ϋ́										PERCE -GIVE	TAGE	FRÉG Tent	UENCY HS PE	DIST	RIBUT	ION O IMAL	F DAII Point	LY VA Omit	LLES TED	
STATI	ON NUMBER	10020	2	GISBO	RNE L	_οηκοί	JT												1	951 - 1	970	
PRD. SEGINS	0 T G 4	5 T0 9	10 10 14	15 TO 15	20 TO 24	25 T0 29	30 TO 34	35 T0 39	40 TO 44	HUMI 45 TO 49	CITY 50 TC 54	RANGE 55 TO 59	60 T0 64	65 TO 69	70 TC 74	75 TO 79	80 TC 84	85 TO 89	90 TC 94	95 To 99	100	PRD. Begins
JUL 1 JUL 11 JUL 21 AUG 1 AUG 11 AUG 21	(12 YRS)	5 15	5 41 23	5 15 25 46 60	26 40 68 70 77 75	63 85 155 105 82 135	84 105 173 115 112 90	132 210 177 135 122 75	89 115 123 120 122 90	121 90 100 95 92 83	89 105 50 45 61	63 55 27 60 26 30	47 40 14 55 36 23	63 30 18 20 36 75	47 40 40 41 38	26 10 15 15	32 25 15 20 8	26 25 5 20 23	53 57 35 26 53		32 56 40 45	ULL 1 UUL 11 UUL 21 AUG 1 AUG 11 AUG 21
монтн																						MONTH
JUL Aug	(12 YRS)	6	23	10 42	46 74	104 104	123 108	174 115	110 113	103 91	80 55	4 B 4 O	33 40	36 40	34 40	11 11	18 15	18 15	28 36		25 34	JUL Aug

Table 30.-Frequency distribution of three-way combinations of dry bulb temperature (°F), relative humidity (percent), and windspeed (mi/h) at 3 p.m. P.s.t.

TEMPERATURE - RELATIVE HUMIOITY - WIND PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS -GIVEN TO TENTHS PERCENT, DECIMAL POINT DMITTED WINDSPEED

NUMBER

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TEMPERATURE - RELATIVE HUMIDITY - WINDSPEED PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS -GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

STATION NUMBER 100205 PRIEST RIVER EXP FOR (CLEARCUT)

MONTH																															
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TEMP.	1 T0	11 T0	WI R 21 T0	ND S ELAT 31 TO	PEED IVE 41 TO	0- HUMI 51 T0	4 MP DITY 61 TO	H 71 T0	81 T0	1 1 91 T0 1	1 1 1 1 1 1 1	11 T0	WI R 21 T0	ND S ELAT 31 TO	PEED IVE 41 TO	5- HUMI 51 T0	9 MP	H 71 T0	81 T0	91 T0	I I I I 1 I 10	11 T0	₩ 2 T	IND RE 1 0	SP LAT 31 TO	EED IVE 41 TO	10- HUM: 51 T0	-14 IDIT 61 T0 70	МРН Y 71 T0	81 TŪ	91 T0
TEMP. DEG F	1 TO 10	11 T0 20	WI 21 TO 30	ND S ELAT 31 TO 40	PEED IVE 41 TO 50	0- HUMI 51 T0 60	4 MP DITY 61 TO 70	H 71 T0 80	81 TO 90	91 1 70 1 100 1	1 1 1 1 1 1 1 1 1 1	11 TO 20	WI 21 TO 30	ND S ELAT 31 TO 40	PEED IVE 41 TO 50	5- HUMI 51 T0 60	9 MP DITY 61 TO 70	71 TO 80	81 TO 90	91 TO 100	I I I 1 I TO I 10 I	11 TO 20	2 T 3	RE RE	SP 31 10 40	EED IVE 41 TO 50	10 HUM: 51 T0 60	-14 10IT 61 T0 70	MPH 71 TO 80	81 TŨ 90	91 TO 100
TEMP. DEG F C100 95-99	1 TO 10 	11 T0 20 2 25	₩I R 21 T0 30	ND S ELAT 31 TO 40	PEED IVE 41 T0 50	0- HUMI 51 T0 60	4 MP DITY 61 TO 70	H 71 TO 80	81 TO 90	91] 91] TO] 100]	1 1 1 1 1 1 1 1 1	11 TO 20 	WI 21 TO 30	ND S ELAT 31 TO 40	PEED IVE 41 TO 50	5- HUMI 51 TO 60	9 MP DITY 61 TO 70	71 TO 80	81 TO 90	91 TO 100	I I I I I I I I I I I I	11 TO 20	¥ 2 T 3	RE RE 0	SP LAT 31 TO 40	EED IVE 41 T0 50	10- HUM: 51 T0 60	-14 IDIT 61 T0 70	MPH Y 71 TO 80	81 TŪ 90	91 TO 100
TEMP, DEG F C100 95-99 90-94 85-89	1 TO 10 3	11 T0 20 25 53 51	WI 21 TO 30 17 60	ND S ELAT 31 TO 40 2 7	PEED IVE 41 TO 50	0- HUMI 51 TO 60	4 MP DITY 61 TO 70	H 71 TO 80	81 TO 90	91 1 91 1 TO 1 100 1	1 1 10 10 1	11 TO 20 8 25 22	WI 21 TO 30 7 22	ND S ELAT 31 TO 40	PEED IVE 41 TO 50	5- HUMI 51 TO 60	9 MP DITY 61 TO 70	H 71 TO 80	81 TO 90	91 TO 100	I I I I I I I I I I I I I I I I I I I	11 TO 20	₩ 2 T 3	IND RE 1 0 0	SP LAT 31 TO 40	EED IVE 41 TO 50	10 HUM: 51 TO 60	-14 IDIT 61 T0 70	MPH Y TO 80	81 TŪ 9U	91 TO 100
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TEMP, DEG F 55-99 90-94 80-84 75-79 70-74 65-69 60-64 55-59 50-54	1 TO 10 3	11 TO 20 25 53 51 27 12 3	WI 21 TO 30 17 60 91 61 27 3	ND S ELAT 31 40 2 7 25 28 5 3	PEED IVE 41 TO 50 3 10 22 15 7 2	0- HUMI 51 TO 60 3 10 20 13 7	4 MP DITY 61 TO 70 2 5 10 12 7 2	H 71 TO 80 	81 TO 90 7 8 8	91 1 91 1 TO 1 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1		11 TO 20 8 25 22 13 2	WI 21 TO 30 22 32 30 8 3	ND S ELAT TO 40 8 18 13 5 2	PEED IVE 41 TO 50 5 8 5	5- HUMI 51 TO 60 2 3 2 2	9 MP 61 TO 70 	H 71 80 3 3	81 TO 90	91 T0 100	I I I I I I I I I I I I I I I I I I I	11 TO 20	¥ 2 T 3	IND RE 0 0 2	SP LAT 31 T0 40	EED IVE 41 TO 50	10- HUM: 51 TO 60	-14 IDIT 61 TO 70	MPH 71 TO 80	81 TŪ 9U	91 TO 100
TEMP. DEG F C100 95-99 90-94 85-89 80-84 75-79 70-74 65-69 60-64 55-59 50-54 45-49 40-44	1 T0 10	11 TO 20 25 53 27 12 3	WI 21 TO 30 17 60 91 61 27 3	ND S ELAT 31 TO 40 2 7 25 25 28 5 3	PEED IVE 41 TO 50 3 10 22 15 7 2	0- HUMI 51 TO 60 3 10 20 13 7	4 MP 0ITY 61 TO 70 2 5 10 12 7 2	H 71 80 10 5 3	81 TO 90 7 8 8	91 1 91 1 TO 1 100 1 1		11 TO 20 8 25 22 13 2	WI 21 TO 30 7 22 32 30 8 3	ND S ELAT TO 40 	PEED IVE 50 5 8 5	5- HUMI 51 TO 60 2 3 2 2	9 MP 61 TO 70 	H 71 80 3 3	81 TO 90	91 T0 100	I I I I I I I I I I I I I I	11 TO 20 2	¥ 2 T 3	IND RE 10 00 2	SP LAT 31 TO 40	EED IVE 41 TO 50	10 HUM: 51 TO 60	-14 IDIT 61 TO 70	MPH Y TO 80	81 TŪ 9U	91 TO 100
TEMP . DEG F C100 95-99 90-94 85-89 80-84 75-79 70-74 60-64 55-59 50-54 45-49 40-44 35-39 30-34	1 TO 10 3	11 T0 20 25 53 51 27 12 3	WI R 21 TO 30 91 61 27 3	ND S ELAT TO 40 25 25 28 5 3	PEED IVE 10 50 22 15 7 2	0- HUMI 51 T0 60 20 13 7	4 MP DITY 61 TO 70 2 5 10 12 7 2	H 71 80 10 5 3	81 TO 90 7 8 8	91 1 91 1 TO 1 100 1 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1		11 TO 20 8 25 22 13 2	WI R 21 TO 30 7 22 32 30 8 3 3 3	ND S ELAT 31 TO 40 8 18 13 5 2	PEED IVE 41 TO 50 5 8 5 5	5- HUMI 51 TO 60 2 3 2 2	9 MP DITY 61 TO 70 	H 71 TO 80 	81 T0 90	91 TO 100	I I I I I I I I I I I I I I I I I I I	11 TO 20 2	¥ 2 T 3	IND RE 10 00 2	SP LAT TO 40	EED IVE 41 TO 50	10 HUM 51 TO 60	-14 IDIT 61 TO 70	MPH Y 71 TO 80	81 TŪ 9U	91 TO 100
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TEMP, DEG F 	1 TO 10 3	111 T0 20 25 53 51 27 12 3	WI R 21 TO 30 91 61 27 3 3	ND S ELAT 31 TO 40 25 25 25 28 5 3 3	PEED IVE 41 TO 50 22 15 7 2 2	0- HUMI 51 T0 60 20 13 7	4 MP DITY 61 TO 70 2 5 10 12 7 2 37	H 71 80 2 10 5 3	81 T0 90 7 8 8	1 91 1 1 1 1 1 1 1 1 1 1 1 1 1		11 TO 20 8 52 22 13 2 2 13 2	WI R 21 TO 30 7 22 32 30 8 3 3 101	ND S ELAT 31 TO 40 8 18 13 5 2	PEED IVE 41 50 50 5 8 5	5- HUMI 51 TO 60 2 3 2 2 2	9 MP DITY 61 TO 70 2 2 2 2	H 71 T0 80 3 3 3	81 T0 90	91 T0 100 2	I 1 I 1 I TO I 10 I I I I I I I I I I I I I I	111 TO 20 2	¥ 2 T 3	IND RE 10 00 22	SP LAT 31 TO 40	EED IVE 41 TO 50	10 HUM: 51 TO 60	-14 IDIT 61 TO 70 70	MPH Y 71 TO 80	81 TŪ 9U	91 TO 100
TEMP. DEG F 	1 TO 10 3	111 T0 20 255 53 51 27 12 3 177 12 3	WI R 21 TO 30 91 61 27 3 259 156	ND S ELAT 31 T0 20 225 228 5 3 3 95 57	PEED IVE 41 50 50 22 15 7 2 58 35	0- HUMI 51 T0 60 10 20 13 7 53 32	4 MP DITY 61 TO 70 2 5 10 12 7 2 37 22	H 71 80 2 10 5 3 20 12	81 TO 90 7 8 8 8	1 91 1 To 1 100 1 100 1 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1		11 TO 20 8 5 22 13 2 70 42	WI R 21 TO 30 7 22 32 30 8 30 8 3 101 61	ND S ELAT 31 TO 40 8 18 13 5 2 2 47 28	PEED IVE 41 TO 50 8 5 5	5- HUMI 51 TO 60 2 3 2 2 2	9 MP DITY 61 T0 70 22 2 2 2 2 3	H 71 80 3 3 7 4	81 T0 90 2 2	91 T0 100 2 2 1	I 1 I 1 I 1 I 10 I I 10 I 10	11 TO 20 2 2	¥ 2 T 3	IND RE 11 00 2 2	SP LAT 31 TO 40	EED IVE 41 50 50	10- HUM: 51 TO 60	-14 IDIT TO 70	MPH Y T0 80	81 TŪ 90	91 TO 100
TEMP, DEG F 95-99 90-94 80-84 75-79 70-74 65-69 60-64 55-59 50-54 45-49 40-44 35-39 30-34 30-34 30-34 TOTAL NUMBER	1 T0 10 3	11 TO 20 53 51 27 12 3 173 104	WI R 21 TO 30 91 61 27 3 259 156 WIN	ND S ELAT 31 TO 25 28 53 3 95 57 57	PEED IVE 41 50 50 22 15 7 2 2 58 35 25 8	0- HUMI 51 TO 60 13 7 7 53 32 15-	4 MP DITY 61 TO 70 2 5 10 12 7 2 37 22 19 M	H 71 T0 80 2 10 5 3 3	81 TO 90 7 8 8 8	91 1 100 100 1 100 100 100 100 100 100 100 100 100 100		11 To 20 25 22 13 2 70 42	WI R 21 70 30 72 22 30 8 3 3 0 8 3 3 101 61 9 592	ND S ELAT 31 TO 40 8 18 13 5 2 47 28 ED G	PEED IVE 41 TO 50 8 5 8 5	5- HUMI 51 TO 60 2 3 2 2 2 2 5 5 ER/E	9 MP DITY 61 T0 70 2 2 2 2 2 2 3 0 QUAL	H 71 T0 80 3 3 3 7 7 4 20	81 ТО 90 2 2 1 МРН	91 T0 100 2 2 1	I I I I I I I I I I I I I I I I I I I	11 TO 20 2 2 2 1	¥ 2 T 3 	IND RE10 00 2 2	SP LAT 31 TO 40 0 R	EED IVE 41 50 50	10 HUM3 51 TO 60	-14 IDIT 10 70 70	MPH Y 71 TO 80	81 TŪ 9U	91 TO 100
TEMP, DEG F 	1 TO 10 3	11 TO 20 25 53 51 27 12 3 1173 104	WI R 21 0 30 91 61 27 3 3 259 156 WIN	ND S ELAT 31 7 25 25 25 25 5 3 3 95 57 57	PEED IVE 41 50 50 22 15 7 2 2 58 35 26	0- HUMI 51 T0 60 20 13 7 7 53 32 15-	4 MP DITY 61 70 2 5 10 12 7 2 37 22 19 M	H 71 50 80 10 53 20 12 PH	81 T0 90 7 8 8 23 14	91 1 100 100 1 100 100 100 100 100 100 100 100 100 100		11 TO 20 8 25 22 13 2 13 2 70 42	WI R 21 TO 30 7 22 30 8 3 3 101 61 SPE	ND S ELAT 31 TO 40 8 18 13 5 2 47 28 ED G	PEED IVE 10 50 50 58 5 5 18 11 REAT	5- HUMI 51 TO 60 2 2 2 2 2 2 5 5 5	9 MP DITY 61 TO 70 2 2 2 2 2 2 3 0 QUAL	H 71 T0 80 	81 TO 90 2 2 1 MPH	91 T0 100 2 2 1	I I I I I I I I I I I I I I I I I I I	11 TO 20 2 2 1 1 rAL 2***	۲ 2 T 3 	IND RE10 00 2 2	SP LAT 31 TO 40 0 R 	EED IVE 41 TO 50	10 HUM: 51 50 60	-14 IDIT 10 70 70 0	МРН Y 71 ТО 80	81 TŪ 9U	91 TO 100
TEMP, DEG F 55-99 90-94 85-89 80-84 75-79 90-94 85-69 60-64 55-59 50-54 45-49 40-64 55-59 50-54 45-49 40-44 35-39 30-34 30 TOTAL NUMBER 	1 T0 10 3 3 2	111 T0 20 25 53 53 53 53 53 27 12 3 3 173 104	WI R 21 70 30 91 61 27 3 3 259 156 WIN	ND S ELAT 31 7 25 25 28 5 3 3 95 57 57	PEED IVE 41 TO 50 22 15 7 2 58 35 EED	0- HUMI 51 TO 60 20 13 7 53 32 15-	4 MP DITY 10 70 2 5 10 12 7 2 37 22 19 M	H 71 70 80 10 5 3 20 12 PH	81 T0 90 7 8 8 8	91 1 100 100 1 100 100 100 100 100 100 100 100 100 100		11 TO 20 8 25 22 13 2 13 2 70 42	WI R 21 TO 30 	ND S ELAT TO 40 40 8 8 8 13 5 2 2 47 28 ED G	PEED IVE 10 50 50 58 5 5 18 11 REAT	5- HUMI 51 TO 60 2 2 2 2 2 2 2 5 5 5	9 MP DITY 61 TO 70 22 2 2 2 2 2 3 3 QUAL	H 71 TO 80 3 3 3 7 4 20	81 ТО 90 2 2 1 МРН	91 T0 100 2 2 1	I I I I I I I I I I I I I I I I I I I	11 TO 20 2 2 2 1 1 57***	 NU	IND RE10 00 2 2 1 MBE==	SP LAT 31 TO 40 0 R -	EED IVE 41 TO 50	10 HUMM 51 TO 60	-14 IDIT 61 TO 70 70	MPH Y 71 TO 0	81 TŪ 90	91 TO 100
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Table 30.-(con.)

TEMPERATURE - RELATIVE HUMIDITY - WINOSPEEO PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS -GIVEN TO TENTHS PERCENT, OECIMAL POINT OMITTED

STATION NUMBER 100205 PRIEST RIVER EXP FOR (CLEARCUT)

MONTH	SE	.P																												
			W 3	ND S	SPEE	0-	4 MF	ы			I I		WI	INO S	PEED	5-	9 MP	н			I I		WIN	10 S	PEED	10-	14 M	PH		
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$ \begin{bmatrix} 1 & 0 & 0 \\ 95 & -99 \\ 90 & -94 \\ 85 & -89 \\ 80 & -84 \\ 75 & -79 \\ 70 & -74 \\ 65 & -69 \\ 60 & -64 \\ 55 & -59 \\ 60 & -64 \\ 55 & -59 \\ 60 & -64 \\ 55 & -59 \\ 45 & -49 \\ 45 & -44 \\ 35 & -39 \\ 30 & -34 \\ 30 \\ \end{array} $	2	10 23 17 7 7 2	3 31 73 75 45 23 9 5 2	2 26 35 40 23 28 7 7 2	3 2 21 36 31 14 3	2 2 12 24 17 5	5 9 14 7 2	2 7 21 9	2 5 9 19 3	9 16 5	I I I I I I I I I I I I I I I	5 9 9 2 3 2	3 12 14 14 9 5 2 2	10 10 7 3 5	952	5 7 2	35	3	32		I I I I I I I I I I I I I I I I I									
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$\begin{array}{c} \textbf{L} 100\\ \textbf{95} - \textbf{99}\\ \textbf{85} - \textbf{89}\\ \textbf{85} - \textbf{89}\\ \textbf{80} - \textbf{84}\\ \textbf{75} - \textbf{79}\\ \textbf{65} - \textbf{69}\\ \textbf{65} - \textbf{69}\\ \textbf{65} - \textbf{69}\\ \textbf{55} - \textbf{59}\\ \textbf{50} - \textbf{54}\\ \textbf{45} - \textbf{49}\\ \textbf{35} - \textbf{39}\\ \textbf{30}\\ \textbf{-10} - \textbf{10}\\ \textbf{50} - \textbf{50}\\ \textbf{50} - \textbf{50} - \textbf{50}\\ \textbf{50} - \textbf{50} - \textbf{50}\\ \textbf{50} - \textbf{50} - \textbf{50} - \textbf{50} - \textbf{50}\\ \textbf{50} - $																					I I I I I I I I I I I I I I		-*****							
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MONTH TEMP. DEG F	0 C T 	11 TO 20	WI R 21 TO 30	NO S ELAT 31 TO 40	PEED IVE 41 TO 50	0- HUMII 51 T0 60	4 MP DITY 61 To 70	H 71 T0 80	81 TO 90	1 1 91 10 100	1 T0 10	11 TO 20	WI RE 21 TO 30	ND S ELAT 31 TO 40	PEED IVE 41 T0 50	5- HUMI 51 T0 60	9 MP DITY 61 TO 70	71 TO 80	81 TO 90	91 1 70 1 100 1	1 TO 10	11 TO 20	WIN R 21 TO 30	0 SF ELA1 31 T0 40	EE0 IVE 41 T0 50	10-1 HUMII 51 TO 60	14 MF 1 TY 61 TO 70	71 70 80	81 Tũ 90 1	91 TO 00
MONTH DEG F C100 95-99 90-84 85-89 80-84 75-79 70-74 65-69 60-64 55-59 50-54 45-49 40-44 35-39 30-34 30	1 TO 10	111 T0 20	WI R 21 TO 30 13 13 9 6 9 2 2	NO S ELAT 31 TO 40 6 19 26 24 35 13 6	PEED IVE 41 TO 50 32 17 37 20 9	0- HUMII T0 60 4 28 22 32 22 4 2	4 MP 0 DITY 10 70 22 4 9 22 35 33 11 6	H TO 80 15 32 43 17 2	81 TO 90 2 6 39 30 19 6	91 1 TO 1 100 1 100 1 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 TO 10	11 TO 20	WI1 RF 10 30 2 4 2 2	ND S ELAT 31 40 	PEED IVE 41 TO 50 	5- HUMII 51 T0 60 2 6 4 4 4 2	9 MPH DITY 61 70 70 7 2 2	71 TO 80 2 2	81 T0 90 2	91 1 TO 1 100 1 1 1 1 1 2 1 4 1 1 1 1 1 1 1 1 1 1 1 1	1 TO 10	11 TO 20	WIN R 21 TO 30	0 SF ELA1 31 T0 40	PEE0 TIVE 41 TO 50	10-: HUMII 51 TO 60	14 MF	71 TO 80	81 TŪ 90 1	91 TO 00
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MONTH TEMP. DEG F C100 95-99 80-84 75-79 70-74 65-69 60-64 55-59 50-54 45-49 40-44 35-39 30-34 30 TOTAL NUMBER	0 CT 	111 TO 20 2 2 2	WI R 21 TO 30 	NO S ELAT 31 TO 40 6 19 26 24 35 13 6 128 69	PEED IVE 41 TO 50 11 32 17 37 20 9 126 68	0- HUMI 51 TO 60 	4 MP DITY 61 TO 70 2 4 9 22 35 33 11 6 122 66	H 71 TO 80 15 32 43 17 7 2 113 61	81 TO 90 2 6 39 30 19 6 119 6	91 1 100 1 100 1 100 1 100 1 101 1 11 11 133 1 330 1 6 1 1 130 1 130 1 101 1 130 1	1 TO 10	11 TO 20	wII 21 TO 30 2 4 2 2 9 5	ND S ELAT 31 TO 40 6 7 9	PEED IVE 41 TO 50 22 4 4 2 4 4 2 13 7	5- HUMII 51 TO 60 2 6 4 4 2 17 9	9 MPP DITY 61 TO 70 70 7 2 2 2 111 6	1 71 80 2 2 2 4 2	81 TO 90 2 2 4 2	91 1 TO 1 TO 1 100 1 1 1 2 1 4 1 4 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 TO 10	11 TO 20	WIN R 21 TO 30	0 SF ELA1 31 T0 40	PEE0 IVE 41 TO 50	10-1 HUMII 51 TO 60	14 MF 01TY 61 T0 70 2 2 1	71 70 80	81 TŪ 90 1	91 TO 00
MONTH TEMP. DEG F C100 95-99 90-94 85-89 80-84 75-79 70-74 65-69 60-64 55-59 50-54 45-49 40-44 35-39 30-34 30 TOTAL NUMBER	0 C C T T O 10	111 TO 20 2 2 2	WI R TO 30 54 29 WIN	NO S ELAT 31 TO 40 26 24 35 13 6 128 69 0 SP	PEED IVE 41 50 50 11 32 17 37 20 9 68 68 EE0	0- HUMII 51 T0 60 28 22 22 22 22 2 2 2 2 2 2 2 2 2 2	4 MP DITY 61 70 22 35 33 11 6 66 19 M	H 71 80 43 17 2 113 61 PH	81 TO 90 39 19 19 64	91 1 91 1 10 1 100 1 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 TO 10	11 TO 20	WI1 Rt 21 TO 30 2 4 2 2 9 5 5 5	ND S ELAT 31 40 6 7 9 	PEED IVE 41 50 50 22 4 4 2 4 4 2 13 7 REAT	5- HUMII 51 TO 60 2 6 4 4 2 2 17 9 9 ER/E	9 MPP DITY 61 TO 70 70 2 2 2 111 6 QUAL	71 TO 80 2 2 2 2	81 T0 90 2 2 4 2	91) TO) TO) 100) 100) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 TO 10 0 TOT	11 TO 20 	WIN R 10 30 	0 SF ELA1 31 40 40	0	10-: HUMII 51 TO 60	14 MF DITY 61 TO 70 70 2 2 1	РН 71 то 80	81 TŪ 90 1	91 TO 00
MONTH TEMP. DEG F C100 95-99 80-84 75-79 70-74 65-69 60-64 55-59 50-54 45-49 40-44 35-39 30-34 30-34 70-74 NUMBER 	0 1 TO 10	111 TO 20 2 2 2	WI R 21 TO 30 	NO S ELAT TO 40 6 19 26 24 35 13 6 	PEED IVE 41 TO 50 17 32 17 37 20 9 	0- HUMII 51 T0 60 28 22 22 22 22 2 2 2 2 2 113 5 	4 MP DITY 61 TO 70 70 22 22 33 11 6 6 6 6 19 M	H 71 TO 80 15 32 43 17 2 	81 T0 90 2 6 39 30 19 6 	91 1 91 1 10 1 10 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 TO 10	11 TO 20	WI RI 21 TO 30 2 4 2 2 9 5 5 5 5 5 5 5 5	ND S ELAT 31 40 6 7 9 22 12 EO G	PEED IVE 41 50 2 2 4 4 2 13 7 REAT	5- HUMII 51 TO 60 2 6 4 4 2 2 6 4 4 2 2 5 7 7 9 ER/E	9 MPH DITY 61 TO 70 70 2 2 2 11 6 0UAL	2 2 2 2 2 2 2 2 2 2	81 TO 90 2 2 4 2 4 2	911 TO 1 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 TO 10 0 TOT 2 5 7 7 9 17 21 19 9 5 1 1 100	111 TO 20 0 AL **********************************	WIN R 10 30 0 VUMBI	0 SF 3 T0 4 0 	0 PEEO PIVE 41 70 50	10-1 HUMII 51 TO 60	14 MF 61 TO 70 2 2 1	РН 71 то 80	81 TŪ 90 1	91 TO 00 0

TEMPERATURE - RELATIVE HUMIDITY - WINOSPEEO PERCENTAGE FREQUENCY OF OCCURRENCE FOR SELECTED COMBINATIONS -GIVEN TO TENTHS PERCENT, OECIMAL POINT OMITTED

STATION NUMBER 100202 GISBORNE LO

MONTH	JU	L																												
		-	WI	ND S	PEEO	0 -	4 MP	н		1			WI	ND S	PEED) 5-	9 MP	н			[[WIN	ID SP	PEED	10-	14 14	РН		
TEMP. DEG F	1 T O 1 O	11 TO 20	R 21 TO 30	ELAT 31 TO 40	IVE 41 TO 50.	HUMI 51 TO 60	0ITY 61 TO 70	71 T0 80	81 TO 90	91) TO 1 100]	1 TO 10	11 TO 20	8 21. TO 30	ELAT 31 TO 40	IVE 41 TO 50	HUM I 51 TO 60	61 70 70	71 TO 80	81 TO 90	91 TO 100	(1 (TO (10	11 TO 20	R 21 TO 30	ELAT 31 TO 40	IVE 41 TO 50	HUMI 51 TO 60	61 61 T0 70	71 TO 80	81 TÛ 9⊎ 1	91 TO 00
$\begin{array}{c}\\\\\\\\\\$		3 3 2	2 15 21 13 2 2	5 21 21 18 8	5 10 28 15 2	3 7 5 8 2	3 5 5 7 3	3 5 5	2 3 5 2 2	3 7 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		7	3 12 36 13 5	15 31 67 23 8 5	3 8 33 31 21 3	8 12 15 15 2	2 5 7 8	2 10 3 2	7 5 5	7 7 5			5 15 7 3	3 12 18 21 7 2	2 13 8 12 8 2	3 3 12 2	3 3 12 3	3 5 2	7	5 8 2 3
TOTAL		8	54	74	59	30	23	13	13	12		7	69	150	100	51	21	16	16	18	[_ -		30	63	44	20	21	10	7	18
NUMBER	0	5	33	45	36	18	14	8	8	7 1	0	4	42	91	61	31	13	10	10	11	L O	0	18	38	27	12	13	6	4	11
			WIN	0 SP	EEO	15-	19 M	РН]		WIND	SPE	ED G	REAT	ER/E	QUAL	20	MPH		тот	AL	NUMB	BER						
$ \begin{bmatrix} 1 & 0 & 0 \\ 95 & -99 \\ 90 & -94 \\ 85 & -89 \\ 80 & -84 \\ 75 & -79 \\ 70 & -74 \\ 65 & -69 \\ 60 & -64 \\ 55 & -59 \\ 50 & -54 \\ 45 & -49 \\ 40 & -44 \\ 35 & -39 \\ 30 & -34 \\ 30 \end{bmatrix} $			2 3	5 3 3 2	2 2 2	3 3 2	22	2					2	2 2 2		2	3				L 6 L 6 L 22 L 17 L 13 L 13 L 10 L 3 L 1 L 1 L	**************************************	****	**********						
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TEMD	1	11 10	21 10	ELAT 31	1VE 41	51 51	01TY 61	71	81	91] 70]	1	11 To	21 TO	31 31	41 41	HUMI 51	61 61	71	81 TO	91 TO		11	21 1	31 31	41 41	HUM1 51	61 61	71	81 TÚ	91 TO
OEG F	10	20	30	40	50	60	70	80	90	100	10	20	30	40	50	60	70	80	90	100		20	30	40	50	60	70	80	90 1	00
$ \begin{bmatrix} 1 \\ 0 \\ 95 \\ -99 \\ 90 \\ -94 \\ 85 \\ -89 \\ 80 \\ -84 \\ 75 \\ -79 \\ 70 \\ -74 \\ 65 \\ -69 \\ 60 \\ -64 \\ 55 \\ -59 \\ 50 \\ -54 \\ 45 \\ -49 \\ 40 \\ -44 \\ 35 \\ -39 \\ 30 \\ -34 \\ 30 \end{bmatrix} $		26622	6 15 19 10 4	13 21 17 2	2 6 10 17 4	4 2 13 4	6 4 4 2 4	2 4 6 2	6	6 6 6	222	8 13 8 4 2	2 13 44 21 13	6 17 48 42 10 2	4 21 44 29 2	8 8 13 10 2	2 4 8 12 4 2	6 8 2 4	2 2 4 4 2	6 13 13 4		2 4 2 2	4 15 10	4 2 29 6 8	2 6 15 10 4 2	4 4 2	66	2 6 2	4 2	2 2 6 2
TOTAL		17	54	54	38	23	21	13	12	17	8	35	94	125	100	40	31	19	13	36	[4 [10	29	48	38	15	17	10	6	12
NUMBER	0	9	28	28	20	12	11	7	6	9	4	18	49	65	52	21	16	10	7	19	1 2	5	15	25	20	8	9	5	3	6
			μIN	D SP	EEO	15-	19 M	РН		:	I	WINO	SPE	ED 0	REAT	ER/E	QUAL	20	МРН		тот	AL	NUMB	BER						
E100]											[[[2 [6	*** *** 2*** 9***	**** ****	* * * *						
95 - 99 90 - 94 85 - 89 80 - 84 75 - 79 70 - 74 65 - 69 60 - 64 55 - 59 40 - 64 55 - 59 40 - 44 35 - 39 30 - 34 30			2	4	4 2	62	2	2		2		2	2 2 2	2	2		2 2 2 2			2	(14 (21 (19 [15 [7 [7 [7 [7 [2 [2 [2 [2 [2 [2 [2 [2 [2]	4**** 1**** 4**** 4 4 4 4 4 4 4 4 4 4 4 4 4	****	** ** ** ** ** ** **						
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Table 31.—Daily maximum temperature (°F) at fire-weather stations in Priest River Experimental Forest; statistics based on 24-hour period ending at 3 p.m. P.s.t. Data are for complete 20 years, 1951-70, at clearcut station; for indicated numbers of years at Gisborne Lookout

													-	
N NUMBER	10020	DS PRI	EST RIVER E	EXP FOR (CL	EARC	UT)						195	1-1970	
1	VAG-01	AND MONT	HLY PERIOD	MEANS	I		10-0	AY AND	MONTHLY	EXTREME DA	ILY VAL	UES		
	STL.		HIGHEST	LOWEST	I		AVG.	STD.	MEDIAN		AVG.	STD.	MEDIAN	PERIO
MEAN	DEV.	MEDIAN	AVG,YR	AV6 .YR	I	HIGH,YR	HIGH	DEV.	HIĠH	LOW,YR	LOW	DEV.	LOW	BEGIN
63.9	5.9	62.0	75.3 57	54.7 61	I	89 66	74.4	7.4	74.0	42 61	52.2	6.7	51.0	MAY
68.5	4.7	65.0	76.9 58	59.6 66	I	87 56	79.7	4.4	79.5	44 67	54.8	5.9	55.0	MAY 1
70.4	5.9	69.0	85.0 58	60.9 55	I	92 58	80.1	5.9	80.5	48 60	59.7	7.1	58.5	MAY 2
73.6	5.6	72.0	83.5 69	65.9 54	I	92 70	32.26	5.1	81.0	47 66	62.9	6.9	63.0	JUN
74.5	5.7	72.0	85.4 61	66.5 54	Ī	94 61	83.7	5.1	82.0	56 70	63.9	5.8	63.5	JUN 1
75.3	5.0	74.0	83.5 70	65.9 69	I	94 55	83.8	6.0	82.5	52 65	63.0	4.7	63.5	JUN 2
80.1	4.8	79.U	90.6 68	70.5 55	I	97 64	89.5	4.2	88.5	54 55	68.3	6.7	69.0	JUL
84.6	+.9	84.5	95.0 GU	76.6 63	I	101 60	92.3	4.3	93.5	60 65	74.7	6.3	75.0	JUL 1
85.5	4.3	86.0	92.2 62	78.1 63	I	100 59	92.4	4.0	92.0	65 65	76.0	6.8	77.0	JUL 2
84.8	5.2	86.0	93.1 61	75.1 64	I	105 61	92.6	5.4	94.0	62 56	75.1	6.9	77.0	AUG
64.5	6.1	84.0	97.8 67	72.U 68	I	101 67	91.4	5.0	91.5	56 59	73.8	10.1	76.0	AUG 1
78.6	7.1	77.0	90.3 70	65.4 60	I	98 70	89.6	6.9	89.0	54 66	67.9	8.6	67.0	AUG 2
77.9	5.9	77.5	88.1 55	68.1 64	I	97 67	86.3	6.0	0.39	56 64	67.6	8.1	68.0	SEP
73.1	6.5	73.0	62.3 56	58.0 65	I	92 69	84.2	6.5	84.5	49 65	60.4	6.2	59,5	SEP 1
69.3	7.6	67.5	33.6 52	58.1 61	I	91 66	78.1	8.3	76.5	49 68	58,5	7.5	57.5	SEP 2
63.6	5.7	63.0	78.9 52	56.6 69	I	82 52	74.6	5.8	76.5	40 58	51.4	7.8	51.5	OCT
58.7	5.7	58.0	68.8 52	48.6 51	I	75 63	66.5	6.4	67.5	40 51	49.8	4.7	49.5	OCT 1
52.6	5.4	52.0	61.7 52	43.5 51	Ι	72 52	61.0	7.1	62.5	33 57	43.5	5.7	43.5	OCT 2
					I									MONT
					I									
e7.7	3.9	67.0	78.6 55	61.4 55	I	92 58	82.9	4.4	<u>e</u> 4.0	42 61	49.8	4.3	49.5	MA
74.5	3.5	73.5	82.4 61	69.1 53	I	94 61	87.4	3.8	87.0	47 66	58.7	4.7	59.5	ປປ'
83.5	3.0	83.0	90.5 60	77.8 63	I	101 60	94.7	3.2	95.0	54 55	66.9	6.1	67.5	JU
82.5	5.0	82.0	91.9 67	75.5 64	I	105 61	95.4	4.1	95.5	54 66	66.1	8.4	64.5	AU
73.4	4.9	73. Û	81.7 67	64.2 65	I	97 67	0,83	5.3	88.5	49 68	55.3	3.9	56.0	SE
58.1	4.4	56.0	69.5 52	51.0 51	I	02 52	75.1	4.8	76.5	33 57	42.2	4.5	41.5	00
	N MUPBER MEAN 63.9 60.5 70.6 73.6 74.5 75.3 80.1 84.6 77.9 73.1 63.6 54.7 52.6 87.7 52.6 8.2 8.2 54.5 52.6 8.2 52.5 75.1 8.2 8.2 5.5 8.2 5.5 8.5 5.5 5	N NUMBER 10020 10-DAY STL- MEAN DEV. 63.9 5.9 68.5 4.7 70.4 5.9 73.6 5.6 74.5 5.7 75.3 5.0 80.1 4.8 824.6 4.9 85.5 4.3 84.6 5.2 64.5 6.1 78.6 7.1 77.9 5.9 73.1 6.5 63.6 5.7 58.7 5.7 52.6 5.4 82.5 5.0 74.5 3.5 83.5 3.0 82.5 5.0 74.5 5.0 73.4 4.9 58.1 4.4	N NUMBER 100205 PRI 10-EAY AND NONT STL: MEAN DEV. MEDIAM 63.9 5.9 62.0 66.5 4.7 65.0 70.4 5.9 69.0 73.6 5.6 72.0 74.5 5.7 72.0 75.3 5.0 74.0 80.1 4.8 79.0 80.1 4.8 79.0 84.6 4.9 84.5 85.5 4.3 86.0 84.8 5.2 86.0 84.9 73.0 52.6 5.4 52.0 82.0 73.4 4.9 73.0 52.1 4.4 56.0	N. MUMBER 100205 PRIEST RIVEK E 10-DAY AND MONTHLY PERIOD STU- MEAN DEV. MEDIAH MEDIAH HIGHEST AVG.YR 63.9 5.9 62.0 75.3 57 68.5 4.7 65.0 76.9 58 70.4 5.9 62.0 75.3 57 68.5 4.7 65.0 76.9 58 70.4 5.9 62.0 75.3 57 68.5 4.7 65.0 76.9 58 70.4 5.9 69.0 85.0 58 74.5 5.7 72.0 85.4 61 75.3 5.0 74.0 83.5 70 80.1 4.8 79.0 90.6 68 24.6 5.2 86.0 92.2 62 24.8 5.2 86.0 93.1 61 54.5 6.1 84.0 97.8 67 78.6 5.7 53.0 78.0 78.6	N MUMBER 100205 PRIEST RIVEK EXP FOR (CL IO-CAY AND MONTHLY PERIOD MEANS STU: HIGHEST LOWEST MEAN DEV. MEDIAM AV6.YR AV6.YR 63.9 5.9 62.0 75.3 57 54.7 61 68.5 4.7 69.0 75.0 58 69.9 59 70.4 5.9 69.0 85.0 58 60.9 55 73.6 5.6 72.0 85.4 61 66.5 54 75.3 5.0 74.0 83.5 70 65.9 54 74.5 5.7 72.0 85.4 61 66.5 54 75.3 5.0 74.0 83.5 70 65.9 59 80.1 4.8 79.0 90.6 68 70.5 55 24.6 71 77.0 90.3 70 65.4 60 77.9 5.9 77.5 86.1 57	N MUMBER 100265 PRIEST RIVEK EXP FOR (CLEARC 10-CAY AND MONTHLY PERIOD MEANS I STD: HIGHEST LOWEST MEAN DEV. MEDIAH AV6.YR AV6.YR 63.9 5.9 62.0 75.3 57 54.7 61 664.5 4.7 65.0 76.9 58 59.6 66 1 70.4 5.9 69.0 R5.0 58 69.9 54 1 74.5 5.7 72.0 85.4 61 66.5 54 1 75.3 5.0 74.0 R3.5 70 65.9 69 1 80.1 4.8 79.0 90.6 68 70.5 55 1 84.8 5.2 86.0 92.2 62 78.1 63 1 84.8 5.2 86.0 93.1 61 75.1 64 1 74.6 7.1 77.0 90.3 66 67 72.0 <td>N MUMBER 100205 PRIEST RIVEK EXP FOR (CLEARCUT) 10-DAY AND MONTHLY PERIOD MEANS I STU: HIGHEST LOWEST I MEAN DEV. MEDIAH AV6.YR AV6.YR HIGH.YR 63.9 5.9 62.0 75.3 57 54.7 61 I 89 66 68.5 4.7 65.0 76.9 58 59.6 66 I 87 56 70.4 5.9 69.0 A5.0 58 60.9 55 I 92 58 73.6 5.6 72.0 83.3 69 65.9 54 I 92 70 74.5 5.7 72.0 85.4 61 66.5 54 I 94 61 75.3 5.0 74.0 83.5 70 65.9 69 I 94 55 80.1 4.8 79.0 90.6 68 70.5 55 I 97 64 24.6 4.9 84.5 95.0 60 76.6 63 I 101 60 45.5 4.3 86.0 92.2 62 78.1 63 I 100 59 24.8 5.2 86.0 93.1 61 75.1 64 I 105 61 54.5 6.1 84.0 97.8 67 72.0 68 I 01 67 77.6 7.1 77.0 90.3 70 65.4 60 I 98 70 77.9 5.9 77.5 88.1 55 68.1 64 I 97 67 73.1 6.5 73.0 82.3 56 58.0 65 I 92 69 6.3 6.5 7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 86.0 69 I 82 52 54.7 5.7 57 58.0 60 77.6 63 I 101 60 75.6 5.1 97.5 88.1 55 68.1 64 I 97 67 73.1 6.5 73.0 82.3 56 58.0 65 I 92 69 6.3 6.5 64.5 51 92 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.6 5.7 63.0 78.9 52 56.1 61 I 91 66 63.5 5.0 82.0 91.9 67 75.5 64 I 105 61 73.4 4.9 73.0 81.7 67 64.2 65 I 92 58 51.0 51 I 72 52</td> <td>N MUMBER 100205 PRIEST RIVEK EXP FOR (CLEARCUT) 10-EAY AND FOMTHLY PERIOD MEANS I 10-D STE: HIGHEST LOWEST I AVG., YR AVG., YR HIGH, YR HIGH MEAN DEV. MEDIAM AVG., YR AVG., YR I HIGH, YR HIGH 63.9 5.9 62.0 75.3 57 54.7 61 I 89.66 74.4 62.5 4.7 65.0 76.9 58 59.6 66 I 87.56 79.7 70.4 5.9 69.0 85.0 58 60.9 55 I 92.58 80.1 73.6 5.6 72.0 83.3 69 65.9 54 I 92.70 82.2 74.5 5.7 72.0 85.4 61 66.5 54 I 94.61 83.7 75.3 5.0 74.0 83.5 70 65.9 69 I 94 55 83.8 80.1 4.8 79.0 90.6 68 70.5 55 I 97.64 89.5 84.6 4.9 84.5 95.0 60 74.6 63 I 101 60 92.3 85.5 4.3 86.0 92.2 62 78.1 63 I 100 59 92.4 84.8 5.2 86.0 93.1 61 75.1 64 I 105 61 92.6 64.5 5.1 107.5 67.2 83.5 67 72.0 65.4 60 I 98 70 89.6 77.9 5.9 77.5 88.67 72.0 65.4 60 I 98 70 89.6 77.9 5.9 77.5 88.1 55 66.1 64 I 97.6 7 86.3 73.1 6.5 73.0 82.3 56 58.0 65 I 92 69 84.2 67.7 5.7 54.0 62.3 56 58.0 65 I 92 69 84.2 67.3 7.5.7 54.0 62.3 55 51 I 72.5 86.3 73.1 6.5 73.5 82.4 61 69.1 53 I 92.69 84.2 69.3 7.6 67.6 78.6 55 61.4 64 I 97.6 7 86.3 73.1 6.5 73.5 82.4 61 69.1 53 I 94.61 87.4 63.6 5.7 63.0 78.9 52 56.1 61 I 91.66 72.1 63.6 5.7 63.0 78.9 52 56.1 61 I 91.66 72.1 63.6 5.7 63.0 78.9 52 56.1 61 I 91.66 72.1 63.6 5.7 54.0 62.3 56 61.4 55 I 92.69 84.2 69.3 7.5 64.0 62.3 52 443.5 51 I 72.52 61.0 101 60 94.7 72.5 5.0 82.0 61.7 52 43.5 51 I 72.52 61.0 101 60 94.7 72.5 5.0 82.0 51.9 67 75.5 64.1 64 I 97.67 86.3 101 60 94.7 72.5 5.0 82.0 51.9 67 75.5 64.1 55 I 92.64 62.5 94.61 57.63 62.5 75 64.5 1 94.61 67.4 75.4 4.9 73.0 62.3 55 1 1 015 61 95.4 63.5 52.6 5.4 52.0 61.7 52 43.5 51 I 72.52 61.0 101 60 94.7 75.4 4.9 73.0 62.0 51.9 67 75.5 64 I 105 61 95.4 64.6 55 52.6 5.4 52.0 61.7 55 55 55.5 1 97.6 63 I 001 60 94.7 75.4 4.9 73.0 63.0 90.5 60 77.6 63 I 101 60 94.7 75.4 4.9 73.0 61.7 67 64.2 65 I 97.6 76 88.0 52.1 4.44 55.6 65.5 52.5 51 I 62.5 51</td> <td>N MUMBER 100205 PRIEST RIVEK EXP FOR (CLEARCUT) 10-DAY AND FONTHLY PERIOD MEANS I 10-DAY AND T 10-DAY AND FONTHLY PERIOD MEANS I 10-DAY AND T <math>10-DAY AND FONTHLY PERIOD MEANS I 100-DAY AND T <math>10-DAY AND FONTHLY PERIOD MEANS I 100-DAY AND T <math>10-DAY AND FONTHLY PERIOD MEANS I 100-DAY AND T <math>10-DAY AND FONTHLY PERIOD MEANS I 100-DAY AND T $10-DAY AND FONTHLY PERIOD MEANS I 100 66 74.4 7.4 63.9 5.9 62.0 75.3 57 54.7 61 1 89 66 74.4 7.4 63.9 5.9 62.0 75.3 57 54.7 61 1 89 66 74.4 7.4 63.9 5.9 62.0 75.3 57 54.7 61 1 89 66 74.4 7.4 63.9 5.9 67.2 0 83.5 69 66.9 55 1 92 59 80.1 5.9 73.6 5.6 72.0 83.5 69 66.9 55 1 92 70 82.2 5.1 74.5 5.7 72.0 85.4 61 66.5 54 1 94 61 83.7 5.1 74.5 5.7 72.0 85.4 61 66.5 54 1 94 61 83.7 5.1 75.3 5.0 74.0 83.5 70 65.9 89 1 94 55 83.8 6.0 80.1 4.8 79.0 90.6 68 70.5 55 1 97 64 85.5 4.2 24.6 4.9 84.5 95.0 60 76.6 63 1 101 60 92.3 4.3 85.5 4.3 86.0 97.8 67 72.0 68 1 101 67 91.4 5.0 77.9 5.9 77.5 88.1 55 66.1 4 1 105 61 92.6 5.4 64.5 5.4 55 6.1 84.0 97.8 67 72.0 68 1 101 67 91.4 5.0 73.1 6.5 73.0 62.3 56 58.0 65 1 92 69 84.2 6.5 85.7 5.7 5.7 54.0 68.3 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 57 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 57 63.0 82.0 90.5 60 77.6 63 1 101 60 94.7 3.2 62.5 5.0 82.0 90.5 60 77.6 63 1 101 60 94.7 3.2 62.5 5.0 82.0 90.5 60 77.6 63 1 101 60 94.7 3.2 62.5 5.0 82.0 90.5 60 77.6 67 65.4 1 97.6 76 68.0 53 58.1 44.9 73.0 62.0 59.5 51 51 51 4 25 77.1 4.8$</math></math></math></math></td> <td>N MUMBER 10265 PRIEST RIVER EXP FOR (CLEARCUT) 10-DAY AND FORTHLY PERIOD MEANS I NEW MONTHLY PERIOD MEANS I NEW MONTHLY HIGH ST. 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HIGHEST LOKEST I NUMBER DEV. MEDIAN AVG.YR AVG.YR HIGH.YR HIGH.DEV. HIGH LOW.YR 63.9 5.9 62.0 75.3 57 54.7 1 1 AVG. STO. MEDIAN 63.9 5.9 62.0 75.3 57 54.7 1 1 10.9 66 74.4 74.4 74.0 42.61 63.9 5.9 62.0 75.3 57.0 54.7 61 10.9 27.0 22.2 51.1 10.0 77.6 76.7 74.4 79.0 96.6 70.5 11.0 77.6 86.7 74.0 82.7 82.7 82.8 80.1 52.5 26.6 74.0 22.5 25.6 75.6 77.7 74.9 84.5 95.0 83.6 80.0 92.2 80</td> <td>NUMBER 10020 PRIEST RIVER EXP FOR (CLEARCUT) In-CAY AND NONTHLY PERIOD MEANS I In-CAY AND MONTHLY EXTREME DAILY VAL STU: MIGHEST LOWEST I AVG., YR HIGH, YR HIGH, DEV. HIGH LOW, YR LOW, YR I 63.9 5.9 62.0 75.3 57 54.7 61 87.6 74.4 7.4 74.0 42.61 52.2 64.5 5.4.7 65.0 76.9 58.9 66.6 87.56 74.4 7.4 74.0 42.61 52.2 70.4 5.9 69.0 85.0 58 60.9 51 92 59 80.1 5.9 80.5 44.60 59.7 74.5 5.7 72.0 85.4 61 66.5 54 1 92 70 82.5 52.65 63.0 73.3 5.0 74.0 74.5 57 72.0 85.4 61 62.5 54.55 63.0 74.5 5.7</td> <td>N NUMBER 10020 PRIEST RIVEN EXP FOR (CLEARCUT) 10-DAY AND MONTHLY EXTREME DAILY VALUES 10-CAY AND FORTHLY PERIOD MEANS 1 10-DAY AND MONTHLY EXTREME DAILY VALUES 1 TEST. 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MEDIAM AVG., YR AVG., YR I HIGH, YR HIGH 63.9 5.9 62.0 75.3 57 54.7 61 I 89.66 74.4 62.5 4.7 65.0 76.9 58 59.6 66 I 87.56 79.7 70.4 5.9 69.0 85.0 58 60.9 55 I 92.58 80.1 73.6 5.6 72.0 83.3 69 65.9 54 I 92.70 82.2 74.5 5.7 72.0 85.4 61 66.5 54 I 94.61 83.7 75.3 5.0 74.0 83.5 70 65.9 69 I 94 55 83.8 80.1 4.8 79.0 90.6 68 70.5 55 I 97.64 89.5 84.6 4.9 84.5 95.0 60 74.6 63 I 101 60 92.3 85.5 4.3 86.0 92.2 62 78.1 63 I 100 59 92.4 84.8 5.2 86.0 93.1 61 75.1 64 I 105 61 92.6 64.5 5.1 107.5 67.2 83.5 67 72.0 65.4 60 I 98 70 89.6 77.9 5.9 77.5 88.67 72.0 65.4 60 I 98 70 89.6 77.9 5.9 77.5 88.1 55 66.1 64 I 97.6 7 86.3 73.1 6.5 73.0 82.3 56 58.0 65 I 92 69 84.2 67.7 5.7 54.0 62.3 56 58.0 65 I 92 69 84.2 67.3 7.5.7 54.0 62.3 55 51 I 72.5 86.3 73.1 6.5 73.5 82.4 61 69.1 53 I 92.69 84.2 69.3 7.6 67.6 78.6 55 61.4 64 I 97.6 7 86.3 73.1 6.5 73.5 82.4 61 69.1 53 I 94.61 87.4 63.6 5.7 63.0 78.9 52 56.1 61 I 91.66 72.1 63.6 5.7 63.0 78.9 52 56.1 61 I 91.66 72.1 63.6 5.7 63.0 78.9 52 56.1 61 I 91.66 72.1 63.6 5.7 54.0 62.3 56 61.4 55 I 92.69 84.2 69.3 7.5 64.0 62.3 52 443.5 51 I 72.52 61.0 101 60 94.7 72.5 5.0 82.0 61.7 52 43.5 51 I 72.52 61.0 101 60 94.7 72.5 5.0 82.0 51.9 67 75.5 64.1 64 I 97.67 86.3 101 60 94.7 72.5 5.0 82.0 51.9 67 75.5 64.1 55 I 92.64 62.5 94.61 57.63 62.5 75 64.5 1 94.61 67.4 75.4 4.9 73.0 62.3 55 1 1 015 61 95.4 63.5 52.6 5.4 52.0 61.7 52 43.5 51 I 72.52 61.0 101 60 94.7 75.4 4.9 73.0 62.0 51.9 67 75.5 64 I 105 61 95.4 64.6 55 52.6 5.4 52.0 61.7 55 55 55.5 1 97.6 63 I 001 60 94.7 75.4 4.9 73.0 63.0 90.5 60 77.6 63 I 101 60 94.7 75.4 4.9 73.0 61.7 67 64.2 65 I 97.6 76 88.0 52.1 4.44 55.6 65.5 52.5 51 I 62.5 51	N MUMBER 100205 PRIEST RIVEK EXP FOR (CLEARCUT) 10-DAY AND FONTHLY PERIOD MEANS I 10-DAY AND T 10-DAY AND FONTHLY PERIOD MEANS I 10-DAY AND T $10-DAY AND FONTHLY PERIOD MEANS I 100-DAY AND T 10-DAY AND FONTHLY PERIOD MEANS I 100-DAY AND T 10-DAY AND FONTHLY PERIOD MEANS I 100-DAY AND T 10-DAY AND FONTHLY PERIOD MEANS I 100-DAY AND T 10-DAY AND FONTHLY PERIOD MEANS I 100 66 74.4 7.4 63.9 5.9 62.0 75.3 57 54.7 61 1 89 66 74.4 7.4 63.9 5.9 62.0 75.3 57 54.7 61 1 89 66 74.4 7.4 63.9 5.9 62.0 75.3 57 54.7 61 1 89 66 74.4 7.4 63.9 5.9 67.2 0 83.5 69 66.9 55 1 92 59 80.1 5.9 73.6 5.6 72.0 83.5 69 66.9 55 1 92 70 82.2 5.1 74.5 5.7 72.0 85.4 61 66.5 54 1 94 61 83.7 5.1 74.5 5.7 72.0 85.4 61 66.5 54 1 94 61 83.7 5.1 75.3 5.0 74.0 83.5 70 65.9 89 1 94 55 83.8 6.0 80.1 4.8 79.0 90.6 68 70.5 55 1 97 64 85.5 4.2 24.6 4.9 84.5 95.0 60 76.6 63 1 101 60 92.3 4.3 85.5 4.3 86.0 97.8 67 72.0 68 1 101 67 91.4 5.0 77.9 5.9 77.5 88.1 55 66.1 4 1 105 61 92.6 5.4 64.5 5.4 55 6.1 84.0 97.8 67 72.0 68 1 101 67 91.4 5.0 73.1 6.5 73.0 62.3 56 58.0 65 1 92 69 84.2 6.5 85.7 5.7 5.7 54.0 68.3 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 5.7 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 57 63.0 78.9 52 58.1 61 1 91 66 78.1 8.3 63.6 57 63.0 82.0 90.5 60 77.6 63 1 101 60 94.7 3.2 62.5 5.0 82.0 90.5 60 77.6 63 1 101 60 94.7 3.2 62.5 5.0 82.0 90.5 60 77.6 63 1 101 60 94.7 3.2 62.5 5.0 82.0 90.5 60 77.6 67 65.4 1 97.6 76 68.0 53 58.1 44.9 73.0 62.0 59.5 51 51 51 4 25 77.1 4.8$	N MUMBER 10265 PRIEST RIVER EXP FOR (CLEARCUT) 10-DAY AND FORTHLY PERIOD MEANS I NEW MONTHLY PERIOD MEANS I NEW MONTHLY HIGH ST. LOWEST I MEAN DEV. MEDIAN AV5.YR AV6.YR I HIGH.YR HIGH DEV. HIGH 63.9 5.9 62.0 75.3 57 54.7 51 I 63.9 5.9 62.0 75.3 57 54.7 51 I 64.5 4.7 65.0 76.9 58 59.6 66 I 75.6 75.7 74.0 85.0 60.9 55 I 73.6 5.6 72.0 83.3 69 65.9 54 I 74.9 71 82.7 51 82.0 75.3 5.0 74.0 83.5 70 65.9 69 I 75.3 5.0 74.0 83.5 70 65.9 69 I 75.3 5.0 74.0 93.6 60 76.6 63 I 75.1 64.8 6.0 82.5 80.1 4.8 79.0 90.6 60 76.6 55 I 75.1 64.8 6.0 82.5 80.1 4.8 79.0 90.3 70 65.4 61 100 59 92.4 4.0 92.0 84.5 64.1 64.0 57.1 64 I 100 59 92.4 4.0 92.0 84.5 64.1 64.0 57.1 64 I 101 67 91.4 5.0 51.5 74.6 77.1 77.0 90.3 70 65.4 60 I 75.1 64 89.6 6.9 89.0 75.1 64.8 57 63.0 78.9 52 58.1 61 75.1 64 I 101 67 91.4 5.0 51.5 74.6 77.1 77.0 90.3 70 65.4 60 I 75.1 64 I 96.6 72.1 8.3 76.5 74.6 57.1 75.0 84.1 55 64.1 64 I 98.70 89.6 6.9 89.0 75.1 64.5 51 I 74.6 57.5 73.0 78.9 52 52 51.1 61 I 77.9 59 77.5 88.1 55 64.1 64 I 98.70 89.6 6.9 89.0 75.1 6.5 7 63.0 78.9 52 64.0 65.1 192 69 I 74.6 5.8 76.5 52.7 55.7 55.0 82.0 61.7 52 43.5 51 I 72.5 8.0 62.0 54.4 61 75.5 57.7 55.0 82.0 61.7 52 43.5 51 I 72.5 8.0 82.0 94.4 84.0 75.5 57.7 55.0 82.0 61.7 52 43.5 51 I 72.5 8.0 82.0 94.4 84.0 75.5 57.7 55.0 82.0 61.7 52 43.5 51 I 72.5 8.0 82.0 94.4 84.0 75.5 57.7 55.0 82.0 61.7 52 43.5 51 I 72.5 8.0 82.0 94.4 84.0 75.5 57.7 55.0 82.0 61.7 55 5 57.7 55.0 82.0 61.7 55 5 57.7 55.0 82.0 75.5 60 77.5 63 I 101 60 94.7 3.2 95.0 62.5 50 82.0 75.5 63 I 101 60 94.7 3.2 95.0 62.5 50 82.0 75.5 63 I 101 60 94.7 3.2 95.0 62.5 50 82.0 75.5 63 I 101 60 94.7 3.2 95.0 62.5 50 82.0 75.5 63 I 101 60 94.7 3.2 95.0 62.5 50 82.0 61.7 75.5 64 I 105 61 95.4 4.1 95.5 55.1 4.4 4.5 6.6 69.5 52 51.5 51 I 102 57 75.1 4.6 51 95.4 4.1 95.5 55.1 4.4 4.5 6.6 69.5 52 51.5 51 I 102 57 75.1 4.6 51 95.4 4.1 95.5 55.1 4.4 4.5 6.6 69.5 52 5	N MUMBER 10020 PRIEST RIVEK EXP FOR (CLEARCUT) IO-CAY AND FONTHLY PERIO MEANS I 10-DAY AND MONTHLY EXTREME DAY STE. HIGHEST LOKEST I NUMBER DEV. MEDIAN AVG.YR AVG.YR HIGH.YR HIGH.DEV. HIGH LOW.YR 63.9 5.9 62.0 75.3 57 54.7 1 1 AVG. STO. MEDIAN 63.9 5.9 62.0 75.3 57 54.7 1 1 10.9 66 74.4 74.4 74.0 42.61 63.9 5.9 62.0 75.3 57.0 54.7 61 10.9 27.0 22.2 51.1 10.0 77.6 76.7 74.4 79.0 96.6 70.5 11.0 77.6 86.7 74.0 82.7 82.7 82.8 80.1 52.5 26.6 74.0 22.5 25.6 75.6 77.7 74.9 84.5 95.0 83.6 80.0 92.2 80	NUMBER 10020 PRIEST RIVER EXP FOR (CLEARCUT) In-CAY AND NONTHLY PERIOD MEANS I In-CAY AND MONTHLY EXTREME DAILY VAL STU: MIGHEST LOWEST I AVG., YR HIGH, YR HIGH, DEV. HIGH LOW, YR LOW, YR I 63.9 5.9 62.0 75.3 57 54.7 61 87.6 74.4 7.4 74.0 42.61 52.2 64.5 5.4.7 65.0 76.9 58.9 66.6 87.56 74.4 7.4 74.0 42.61 52.2 70.4 5.9 69.0 85.0 58 60.9 51 92 59 80.1 5.9 80.5 44.60 59.7 74.5 5.7 72.0 85.4 61 66.5 54 1 92 70 82.5 52.65 63.0 73.3 5.0 74.0 74.5 57 72.0 85.4 61 62.5 54.55 63.0 74.5 5.7	N NUMBER 10020 PRIEST RIVEN EXP FOR (CLEARCUT) 10-DAY AND MONTHLY EXTREME DAILY VALUES 10-CAY AND FORTHLY PERIOD MEANS 1 10-DAY AND MONTHLY EXTREME DAILY VALUES 1 TEST. HIGHEST 1 10-CAY AND MONTHLY EXTREME DAILY VALUES 1 10-DAY AND MONTHLY EXTREME DAILY VALUES 1 10-DAY AND MONTHLY EXTREME DAILY VALUES 1 10-CAY AND MONTHLY MEDIAN AVG.7 10-CAY AND MONTHLY EXTREME DAILY VALUES 1 10-CAY AND MONTHLY MEDIAN AVG.7 10-CAY AND MONTHLY EXTREME DAILY VALUES 1 10-CAY AND MONTHLY EXTREME DAILY VALUES 1 10-CAY AND MONTHLY MEDIAN AVG.7 10-CAY AND MONTHLY EXTREME DAILY VALUES 1 10-CAY AND MONTHLY MEDIAN AVG.7 10-CAY AND MONTHLY EXTREME DAILY VALUES 1 10-CAY AND MONTHLY EXTREM	N MUMBER 10220 PRIEST RIVEN EXP FOR (LEARCUT) 1051-1970 10-CAY AND MONTHLY PERIOD MEANS I 10-CAY AND MONTHLY EXTREME DAILY VALUES Image: Site of the state of the s

MAXIMUM DAILY TEMPERATURE MEAN, STANDARD DEVIATION, AND EXTREME VALUES STATION NUMBER 100202 GISBORNE LOOKOUT 1951-1970 10-DAY AND MONTHLY PERIOD MEANS 10-DAY AND MONTHLY EXTREME DAILY VALUES I HIGHEST LOWEST AVG. STD. MEDIAN STD. MEDIAN PERIOD PERIOD NUM. AVG. STU. Ι BEGINS YRS MEAN DEV. MEDIAN AVG .YR AVGITP I HIGH,YR HIGH DEV. HIGH LOW,YR LOW DEV. LOW BEGINS Ι 56.2 5.6 68.5 77.5 68 56.4#55 ĩ 85 64 77.4 4.2 77.5 39 55 8.1 58.0 JUL JUL 18 67.8 1 1 JUL 11 JUL 21 64.5 63 65.7 70 61.5 64 57.5#68 51 63 47 65 19 20 72.4 73.1 4.8 72.0 72.0 82.1 60 81.1 62 I I 87 70 91 59 79.7 79.9 4.6 79.0 60.0 61.3 61.6 6.3 8.1 7.0 60.0 64.0 JUL 11 JUL 21 72.1 72.3 69.4 AUG 1 AUG 11 19 19 72.0 71.0 81.5 61 86.0 67 95 61 88 67 80.5 5.9 4.8 81.0 78.0 46 56 42 68 61.1 61.0 63.0 AUG 1 AUG 11 5.1 I 6.4 7.8 11.1 I AUG 21 12 68.0 80.1 70 51.0#60 Ī 90 70 80.5 8.5 83.0 45 64 58.2 8.4 60.0 AUG 21 66.50 MONTH MONTH Ι 91 59 78.0 60 66.1#55 39 55 JUL 71.2* 3.1 I I 82.2 3.8 82.5 53.7 7.3 53.0 JUL AUG 71.2* 4.6 79.9 61 62.0#64 95 61 83.9 5.0 84.0 42 68 54.5 7.7 57.0 AUG 70.2â

INCLUDES ESTIMATE FOR DAYS WITH MISSING DATA

MAXIMUM DAILY TEMPERATURE

* VALUE DERIVED FROM THE THREE 10-DAY MEANS @ FRECEDING VALUE ADJUSTED TO COMPLETE 20-YEAK PERIOD

MEAN. STANDARD DEVIATION, AND EXTREME VALUES

Table 32 .- Daily minimum temperature (°F) as in table 31

MINIMUM DAILY TEMPERATURE

STATION NUMPER 103205 FRIEST RIVER EXP FOR (CLEARCUT)

	1	9-UAY	AND MONT	HLY PERIOD	MEANS	I		10-DA	Y AND	MONTHLY E	XTREME DAIL	LY VALU	ES		
						I									
PERIOD		STE.		HIGHEST	LOWEST	I		AVG.	STD.	MEDIAN		AVG.	STD.	MEDIAN	PERIOD
BEGINS	PEAN	DEV.	MEDIAN	AVG • YH	AVG • YR	I	HIGH,YR	HIGH	DEV.	HIGH	LOW,YR	LOw	DEV.	LOW	BEGINS
						I						_			
MAY 1	33.6	3.0	33.5	39.2 57	26.9 65	I	48 51	42.1	3.3	43.0	16 54	25.9	4.0	26.0	MAY 1
MAY 11	35.9	2.5	35.0	41.7 57	29.8 63	I	51 70	44.4	4.2	44.5	22 59	28.1	3.6	27.0	MAY 11
MAY 21	38.6	3.2	36.0	45.5 58	32.5 51	I	53 66	47.7	3.7	48.0	24 64	30.4	4.6	30.5	MAY 21
JUN 1	42.3	3.6	42.5	48.4 69	36.3 60	I	58 70	50,6	4.4	51.0	27 51	33.4	3.5	33.0	JUN 1
JUN 11	42.1	2.7	41.0	47.6 61	38.0 55	I	59 63	50.7	3.5	50.5	27 56	32.8	3,9	32.0	JUN 11
JUN 21	42.2	3.3	41.5	48.2 70	36.6 56	I	60 70	51.6	4.8	51.0	29 64	34.1	2.9	34.0	JUN 21
JUL 1	43.3	2.6	43.5	47.1 63	38.7 62	I	62 68	52.1	4.3	52.5	30 52	35.0	2.9	35.0	JUL 1
JUL 11	44.4	2.7	43.5	49.7 55	39.0 62	I	63 55	53.2	5.1	53.0	30 62	37.7	3.8	38.0	JUL 11
JUL 21	42.9	3.1	42.0	50.0 55	37.2 54	1	59 64	51.8	6.0	52.5	32 63	35.7	3.2	34.5	JUL 21
AUG 1	42.4	3.7	41.0	50.1 65	37.5 69	I	60 65	51.2	6.2	52.0	31 57	35.6	3.8	34.5	AUG 1
AUG 11	41.4	3.2	41.5	46.5 61	36.5 70	I	59 65	50.3	4.5	51.0	30 69	34.2	2.7	34.0	AUG 11
AUG 21	40.9	3.5	41.0	45.6 61	33.0 55	I	59 66	50.7	5.3	51.5	27 69	32.2	4.0	31.5	AUG 21
SEP 1	37.7	3.0	38.0	42.9 70	31.2 56	I	60 67	48.4	4.8	48.0	22 62	29.2	4.0	28.5	SEP 1
SEP 11	36.3	4.4	36.0	43.9 59	30.0 70	I	55 63	45.7	5.2	48.0	18 57	27.4	4.7	27.0	SEP 11
SEP 21	35.0	4.0	35.0	42.4 69	28.7 58	1	56 67	45.1	4.4	45.5	21 70	26.6	5.0	26.0	SEP 21
OCT 1	32.4	3.6	31.5	42.2 51	26.8 52	I	51 51	42.5	5,0	42.5	18 58	24.6	3.9	23.5	OCT 1
OCT 11	31.7	4.0	31.5	38.5 55	21.6 69	1	51 67	42.2	4.9	42.0	16 69	22.8	3.7	22.5	OCT 11
OCT 21	30.3	3.5	30.0	35.9 60	22.6 58	Ι	47 63	40.3	4.4	41.5	15 70	21.1	3.9	21.0	0CT 21
MONTH						I									ИОЛТН
						I									
MAY	36.1	2.0	35.0	40.2 57	33.1 55	I	53 66	48.8	3.1	49.0	16 54	24.9	3.7	24.5	MAY
JUN	42.2	2.3	41.0	46.3 69	38.6 60	I	60 70	54.6	3.1	53.5	27 56	31.0	2.3	32.0	JUN
JUL	43.5	1.8	43.0	47.7 55	40.8 53	1	63 55	55.9	5.0	55.0	30 62	33.0	1.5	33.0	JUL
AUG	41.5	2.5	41.0	46.4 65	36.5 55	I	60 65	54.6	3.5	55.5	27 69	31.1	2.7	31.0	AUG
SEP	36.3	2.7	35.0	40.6 59	32,9 60	I	60 67	50.2	3.6	50.0	18 57	24.1	3.4	23.5	SEP
трст	31.4	2.5	31.0	35.2 51	26.ŭ 52	I	51 É7	45.6	3,3	45.0	15 70	19.8	3.1	20.0	0CT

MINI	мим р	AILY T	EMPERA	TURE					NEAN,	STAND	ARD DEVIA	TION, AND I	EXTREME	VALUE	S	
STAT	ION N	U⊩BER	10020	2 GIS	BORNE LOCK	τυα								195	1-1970	
		1	Y A C ~ 0	AND MONTH	HLY PERIOD	MEANS	I I		10-D)	NY AND	MONTHLY	EXTREME DAD	ILY VAL	UES		
PERIOD	NUM.		STD.		HIGHEST	LOWEST	Ī		ΛVG.	STD.	MEDIAN		AVG.	STD.	MEDIAN	PERIOD
BEGINS	YRS	% E V.V	DEV.	MEDIAN	AVG,YR	AVG + YR	I	HIGH,YR	HIGH	DEV.	HIGH	LOWIYR	LOW	CEV.	LOW	BEGINS
	1.0		0 E	u 7 0	E0 7 (8	0.0 0.855	I	(= (0	E 7 (E 1	E 7 E	70 55	77 0	7 0	70 0	
JUL 1	10	4/.0	4.5	47.0	28+3 60	40.0455	1	65 60	57.6	□•⊥ ″ (57.5	30 33 75 57	3/.9	5.0	39.0	JUL 1
JUL II	19	50.7	4.5	49.0	62.1 60	44.2 68	1	69 60	27.5	4.6	eU.U	35 57	42.0	4.6	42.5	JUL II
JUL 21	20	51.3	3.9	51.0	58.2 60	44.7 70	I	68 60	60.3	4.3	60.0	33 54	40.9	5.3	40.5	JUL 21
AUG 1	19	50.6	4.1	50.0	58.0 65	43,9 56	I	70 61	€0.1	4.7	60.0	33 56	41.3	4.2	42.0	AUG 1
AUG 11	19	50.5	5.5	49.0	65.9 67	43.3 66	I	70 67	58.5	4.8	59.0	33 54	42.3	7.2	40.0	AUG 11
AUG 21	12	47.5	5.5	47.0	55.4 70	37.0#60	T	68 66	58.9	7.4	61.0	32 60	38.5	3.7	39.0	AUG 21
		46.30				0,00,00	-	-0 00			0100	02 00		0.		
MONTH							I									MONTH
							T									
101		50.0*	2.8		57.0 60	46.6#55	Ť	69 60	62.2	3.5	62.5	30 55	36.5	3.3	37.0	
000		0.0	2.00		5, 5 00	13 EHCH	T	70 (7	(7 1	0.0	(7.0	30 30	33.5	7 0	70 0	000
AUG		49.00	3.0		J6+1 6/	43.3464	1	10 67	6011	4 e 1	63.0	32 60	57.6	3:4	28.0	Δ.0.2

INCLUDES ESTIMATE FOR DAYS WITH MISSING DATA * VALUE DERIVED FROM THE THREE 10-DAY MEANS @ PRECEDING VALUE ADJUSTED TO COMPLETE 20-YEAK PERIOD

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MEAN, STANDARD DEVIATION, AND EXTREME VALUES

Table 33.—Windspeed (mi/h) observed at 3 p.m. P.s.t.; average speed and frequency distribution by direction

WIND SPEED - DIRECTION PERCENTAGE FREQUENCY OF OCCURRENCE BY DIRECTION FOR SELECTED SPEED INCREMENTS -GIVEN TO TENTHS PERCENT, DECIMAL POINT OMITTED

	STAT	IOV	NUMBE	.R 1	0020	5	PRI	EST	RIVER E	XP FOR	(CLEARCUT)										1951-19	970
							MOP	ЧТН	MAY			1	I T				MO	ΝΤΗ	JUN			
DIR	C • 11 •	-3 PCT	4 - iv •	7 PC T	8- N.	12 РСТ	IND 8 13-1 14 F	SPEE! 18 PCT	0, MPH 19-24 N. PCT	>24 N. PC	TOTAL T N. PCT	AVG SPFED 1	I 0-3 I N•PCT	4. N.	-7 PCT	8-12 №. РСТ	WIND 13- N.	SPEE 18 PCT	D, MPH 19-24 N, PCT	>24 N. PCT	TOTAL N. PCT	AVG Speed
NE E SE SW W NW CLM	21 14 26 43 55 27 21 19	35 23 43 72 72 92 45 35 32	8 -12 44 69 82 55 24 11	13 20 74 115 137 92 40 18	4 4 5 2	7 7 8 8 3	1 1 1 1	2 2 2 2			$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7.01 3.21 4.31 4.21 4.21 3.91 3.71 3.55 .01	I 14 24 I 16 27 I 33 57 I 49 84 I 70 120 I 49 84 I 19 33 I 17 29 I 20 34	13 7 53 51 76 52 18 9	22 - 12 91 87 130 89 31 15	1 2 1 2 3 5 6 10 1 2 3 5 2 3					28 48 24 41 86 148 103 177 152 261 102 175 40 69 28 48 20 34	3.3 3.2 3.8 3.7 3.8 3.7 3.9 3.5 .0
TOT	265	450	305	510	20	33	4	7			598	3.8]	I 28 7 492	279	479	17 25)				583	3.6
ÐIR	0 • 14 •	-3 PCT	4 - 7J •	7 РСТ	= 8 • vl	Ц 12 РСТ	MOP 100 S 13-1 N. F	NTH SPEE(18 PCT	JUL . MPH 19-24 M. PCT	>24 N. PC	TOTAL T N. PCT	AVG SPEED	I I I 0-3 I N•PCT I	4 N.	-7 РСТ	8-12 N∘ PC1	MO WIND 13- [N.	NTH SPEE 18 PCT	AUG D, MPH 19-24 N. PCT	>24 N• PCT	TOTAL N. PCT	AVG Speed
NE SE SW W NW CLM	18 17 33 41 73 61 31 31 9	30 28 55 68 121 101 51 15 23	10 8 33 57 119 43 12 12	17 13 55 94 197 71 20 20	2 55 2 1 2	19 (N 19 (N	1	2			$\begin{array}{ccccc} 23 & 46 \\ 25 & 41 \\ 63 & 113 \\ 104 & 172 \\ 194 & 321 \\ 105 & 174 \\ 45 & 75 \\ 21 & 35 \\ 14 & 23 \end{array}$	3.0 3.0 4.1 3.8 4.1 3.4 3.4 3.2 3.6 3.6	I 17 28 I 13 22 I 34 57 I 49 82 I 76 126 I 60 100 I 30 50 I 30 50 I 7 12	8 8 9 33 2 56 8 7 1 60 1 14 1 11	13 15 55 93 145 100 23 18	2 2	5				25 42 22 37 69 115 105 175 167 278 120 200 45 75 41 68 7 12	2 . 6 3 . 3 3 . 6 3 . 7 3 . 9 3 . 4 3 . 2 2 . 9 . 0
тот	297	492	294	487	12	2.0	1	5			604	3.6 1	I 316 526	278	463	7 12	2				601	3,5
			-				۳O۴	ЧTН	SEP			1	I I				MO	NTH	0CT			
n I R	0 • N•	-3 РСТ	4 - N •	7 РСТ	-9 6.	и 12 РСТ	IND S 13-1 N. F	SPEE 18 PCT), MPH 19-24 №. PCT	>24 N. PC	TOTAL T N. PCT	AVG I SPEED	I I 0-3 I N. PCT I	4 N.	-7 PCT	8-12 N. PC1	WIND 13- N.	SPEE 18 PCT	D• MPH 19-24 N• PCT	>24 №• РСТ	TOTAL N. PCT	AVG Speed
NE SE SW NW CLM	20 19 45 40 81 68 45 28 20	35 33 79 70 142 119 79 49 35	7 8 27 45 60 33 14 5	12 14 47 79 105 58 24 9	2 3 2	3 5 .₹			·		27 47 27 47 74 129 85 149 144 252 101 177 61 107 33 58 20 35	2.9 2.7 3.1 3.6 3.4 2.9 2.9 2.5 2.5	I 36 68 I 21 40 I 44 83 I 46 87 I 76 143 I 51 96 I 49 92 I 39 73 I 74 139	3 3 6 12 7 24 8 28 6 12 6 12 6 1	6 11 23 45 53 23 11 2	1 2	2				40 75 27 51 56 105 71 134 104 196 63 119 55 104 41 77 74 139	1.8 2.4 2.3 3.2 2.5 2.4 1.9 1.8 ,.0
тот	366	640	199	348	7	12					572	3.0	I 436 821	92	173	3 6					531	2.0
	STAT	ION I	NEMBE	R 1	0020	4	₽RIE	ST I	AKE KS												1951-19	970
DIR	0 • N •	-3 РСТ	4 - N •	7 P(T	8- N•	ь 12 РСТ	MON IND 9 13-1 N• F	NTH SPEEL LS PCT	JUN 19-24 N• PCT	1)• PC.	TOTAL T N. PCT	AVG SPEED 1	I I I 0-3 I N. PCT	4. N•	-7 PCT	8-12 N. PCT	MOI WIND : 13- N.	NTH SPEE 18 PCT	JUL D, MPH 19-24 N, PCT	>24 N• PCT	TOTAL N. PCT	AVG Speed
NE E SE SW NW NW CLM	1 7 9 18 30 8 1	4 25 32 63 105 28 4	4 4 28 53 12 4 2	14 14 63 98 166 42 14 7	2 10 20 27 11 2 4	7 35 70 95 39 7 14	1 5 1	4 15 4	1 4 1 4	1	7 25 12 42 4 39 133 72 253 112 393 31 109 6 21 7 25	6.3 4.3 5.9 5.9 5.6 1 6.0 1 6.0 1 7.4	I 3 5 I 1 2 I 14 23 I 47 77 I 44 72 I 12 20 I 3 5 I 2 3 I 2 3	3 40 89 125 21 7 4	5 65 146 205 34 11 7	2 3 10 16 47 77 88 144 11 18 10 16 2 3	3 2 15 3 1 2 3 1 2 3 1 3 1 3 1 3 1 3 1 3 1 3 1	5 3 25 2 3 2			$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2.3 5.5 5.8 6.7 5.7 7.4 6.8
тот	74	260	125	439	76	267	7	25	2 7	1	4 285	6.0	I 128 209	289	473	170 278	24	39			611	6,2
							MON	ΝТН	AUG			1	I I				MO	NTH	SEP			
DIR	0 • 1/•	-3 PCT	4 - N •	7 PCT	8 - 8 -	ы 12 РСТ	1MD 9 13-1 P.• F	SPEE 18 PCT	0. MPH 19-24 N. PCT	>24 N• PC	TOTAL T N. PCT	AVG SPEED	I I 0-3 I N. PCT	4 N.	-7 PCT	8-12 N. PCT	WIND 13- N.	SPEE 18 PCT	0• MPH 19-24 N• PCT	>24 N. PCT	TOTAL N. PCT	AVG Speed
NE E SE SW V W N CLM	1 2 17 49 20 20	2 3 28 80 107 32 8 3	8 27 69 127 22 18 2	13 44 112 206 36 29 3	1 10 41 91 12 6 2	2 16 67 148 19 10 3	5 9 1 2 1	8 15 2 3 2			$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3.0 4.6 4.7 5.6 6.3 5.3 6.6 8.6	I 2 5 I 6 16 I 10 27 I 45 120 I 44 117 I 18 48 I 4 11 I 10 27 I 2 5	i 1 5 19 42 65 10 8 7 7	3 13 51 112 173 27 21 19	1 3 3 6 17 45 29 77 12 32 2 5 5 13	6 6 6 1	16 3	1 3 1 3		$5 13 \\ 11 29 \\ 32 85 \\ 104 277 \\ 145 386 \\ 40 106 \\ 15 40 \\ 22 59 \\ 2 5 $	8.0 3.7 4.5 4.4 5.6 5.1 6.3 4.9 .0
 TOT	162	263	273	443	163	265	18	29			616	5.9	I I 141 375	157	418	69 184	7	19	2 5		376	5.1

W I N D S P E E D - D I R E C T I O N PERCENTAGE FREQUENCY OF OCCURRENCE BY DIRECTION FOR SELECTED SPEED INCREMENTS -GIVEN TO TENTHS PERCENT. DECIMAL POINT OMITTED

S	STATI	ON I	NUWBI	ER :	1002	02	GI	SBORN	E LC)																		195	51-19	60
							M IND	ONTH	JUL	МРН						[[[6	M	ONTH SPEE	AUG	МРН					
	0 -	- 5	4.	- 7	. 8	-12	13	-18	19-	24	>24	+	10	IAL	AVG .		0-3	'	+-/	. 8	-12	15	-18	19-	24	>2	4	101	AL	AVG
DIR	N •	PCT	N.	PCT	N .	PCT	61 •	PCT	Ed 🕈	PCT	N. F	'C T	N •	PÇT	SPEED	LN	• PC1	N	, PCT	N.	PCT	N •	PCI	N +	PCT	N e	РСТ	N.	PÇT	SPEED
NE E SE SW W NW CLM	4 1 3 7 6 1	14 3 10 24 20 3	5 1 29 47 9 7 2	17 3 20 99 160 31 24 7	1 4 35 58 3 7 1	14 119 197 10 24 3	2 12 25 2 2 2	7 41 85 7 7 7	1 2 5 1 1	3 7 17 3 3	1	3	11 4 11 81 142 21 17 7	37 14 37 276 483 71 58 24	5.9 9.5 6.9 8.9 9.1 7.0 9.4 11.4		1 4 2 8 0 4 2 8 + 16 1 4	1	2 8 1 4 5 20 5 60 5 184 4 96 5 24 7 28	1 3 26 42 9 4	4 12 104 168 36 16 4	2 1 6 18 1	8 4 24 72 4	8	32	1	4	5 3 9 50 124 35 15 9	20 12 36 200 496 140 60 36	10.2 4.7 8.0 9.2 9.2 6.4 6.3 5.4
TOT	23	78	106	361	109	371	45	153	10	34	1	3	294	*****	8.8	[2	0 80	10	5 424	87	348	28	112	8	32	1	4	250		8.4

Finklin, Arnold I. Climate of Priest River Experimental Forest, northern Idaho. Gen. Tech. Rep. INT-159. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1983. 53 p.

Detailed climatic description of Priest River Experimental Forest; applies to much of the northern Idaho panhandle. Covers year-round pattern and focuses on the fire season. Topographic and local site differences in climate are examined; also, climatic trends or fluctuations during the past 70 years. Includes numerous tables and graphs. Written particularly for forest managers and researchers.

KEYWORDS: climate, mountain climatology, fire-weather, climatic fluctuations

The Intermountain Station, headquartered in Ogden, Utah, is one of eight regional experiment stations charged with providing scientific knowledge to help resource managers meet human needs and protect forest and range ecosystems.

The Intermountain Station includes the States of Montana, Idaho, Utah, Nevada, and western Wyoming. About 231 million acres, or 85 percent, of the land area in the Station territory are classified as forest and rangeland. These lands include grasslands, deserts, shrublands, alpine areas, and well-stocked forests. They supply fiber for forest industries; minerals for energy and industrial development; and water for domestic and industrial consumption. They also provide recreation opportunities for millions of visitors each year.

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